



GOKUL RAJA A, RA2011008020028
Course : **B.Tech**, Information Technology, 2024
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ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS X	G.S.HINDU BOYS HIGHER SECONDARY SCHOOL	Tamil Nadu Board of Secondary Education (DGE)	464 MARKS	2018
CLASS XII in SCIENCE	SRIVI LIONS MATRICULATION HIGHER SECONDARY SCHOOL	Tamil Nadu Board of Secondary Education (DGE)	473 MARKS	2020
B.Tech	SRM Institute of Science and Technology - Ramapuram Campus		9.39 CGPA	2024

Subjects / Electives	Artificial intelligence, Object Oriented Design and Programming, Web Programming, Data Structures and algorithms, Operating System, Computer Networks, Design and Analysis of Algorithms
Technical Proficiency	Tableau, DevOps, Data Mining, Excel, Django, UIX, AWS, Full Stack Development, Power BI, JavaScript, Machine Learning, SQL, Data Science, Python, Data Analysis, Excel Dashboards, Database Modeling, Node.js

SUMMER INTERNSHIP / WORK EXPERIENCE	
Internship on Python, Cybernaut	Mar 2021 - May 2021
- Completed a Structured Internship/Workshop: Successfully finished a comprehensive internship/workshop, focusing on establishing a robust foundation in Python programming with a 95% assessment score. - Gained Hands-on Experience: Applied acquired knowledge in creating and executing Basic Python Projects during the internship, demonstrating practical skills and problem-solving abilities	

PROJECTS	
Math Scribble- Handwritten Math Expression Recognition System - Deep Learning, Node.js, AI, Python,JavaScript	Aug 2023 - Nov 2023
Objective and Technologies Used: - Utilized cutting-edge technologies: Python (TensorFlow, PyTorch) for deep learning models (EfficientDet-Lite, BTTR). Node.js for backend development. - Other technologies include OpenCV, SymPy, Model Quantization, and Parallelization. Key Responsibilities and Achievements: - Worked on data-driven projects, developing predictive models and conducting exploratory data analysis to solve business problems. - Demonstrated the ability to collaborate with multiple internal and external client stakeholders. - Created high-quality project deliverables for clients and took responsibility for the creation/maintenance of project-related documents. - Brought new ideas and innovative solutions to clients, showcasing adaptability and creative problem-solving skills.	
SQL data analysis in European Soccer Database ! - Data Analysis,Insights Delivery,Data Modeling	Jun 2023 - Jul 2023
SQL Data Analyst: - Conducted significant data analysis using SQL, showcasing expertise in exploring complex datasets. - Applied SQL techniques to connect to the European Soccer Database, extracting insights about countries, leagues, teams, and matches. - Proficient in data gathering, exploration, transformation, data analysis, data mining, and ensuring data quality for analytics-ready datasets. - Identified different trends, patterns, and anomalies in extensive datasets, demonstrating critical thinking. Advanced SQL Proficiency: - Navigated extensive datasets, showcasing a keen understanding of data manipulation. - Proficient in SQL query execution sequence and applied advanced techniques like subqueries and functions. - Demonstrated the ability to write macros, advanced queries, models, functions, and formulae for efficient data analysis processes. Business Analysis Alignment: - Project aligns seamlessly with the Analytics Intern position, emphasizing a strong foundation in business analysis, critical thinking, and passion for exploring insights.	
DigitGlyph - Python, Machine Learning , TensorFlow	Mar 2023 - Apr 2023
- Created a user-friendly web app utilizing Convolutional Neural Networks (CNNs) to achieve an outstanding 99.15% accuracy in recognizing handwritten digits. - Implemented a robust frontend with JavaScript, HTML, and CSS, ensuring an engaging and intuitive user experience. - Utilized Python for backend development, incorporating machine learning capabilities.	
Tech Stack and UI Engineering: - Leveraged TensorFlow.js and Django for backend development, showcasing an awareness of AI/ML/DS concepts, statistics, and modeling techniques. - Engineered an interactive interface, resulting in a remarkable 30% increase in user engagement. - Demonstrated proficiency in JavaScript, Python. - Worked on data-driven projects, developing predictive models, and performed exploratory data analysis to solve business problems. - Contributed to creating high-quality project deliverables for the client and was responsible for the creation/maintenance of project-related documents.	
Exploratory Data analysis - Python, SQL, MongoDB, Data Visualization	Dec 2022 - Jan 2023

- o Data Analysis Proficiency: ■ Conducted significant data analysis projects using SQL, demonstrating hands-on experience and expertise in exploring complex datasets. ■ Applied SQL techniques for data gathering, data exploration, transformation, data analysis, data mining, and ensuring data quality, resulting in a 20% improvement in foundational analytics. ■ Navigated extensive datasets, including 25,000+ matches and 10,000+ players, showcasing a keen understanding of data manipulation and critical thinking. ■ Achieved proficiency in SQL query execution sequence and applied advanced techniques like subqueries and functions. - o Business Analysis Alignment with Analytics Intern Position: ■ The project aligns seamlessly with the Analytics Intern position, emphasizing a strong foundation in business analysis, critical thinking, a passion for exploring insights, and the ability to contribute to meaningful projects in a real-world business environment.
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CERTIFICATIONS		
CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
INTERMEDIATE MACHINE LEARNING	Kaggle	- o Completed an Intermediate Machine Learning course, demonstrating skills in handling missing values, categorical data, and constructing optimized pipelines. - o Proficient in implementing cross-validation techniques and experienced in XGBoost modeling. - o Demonstrated expertise in identifying and resolving data leakage issues. - o Ready to deploy robust machine learning solutions to tackle real-world challenges and AI.
Excel Dashboards and Data Analysis	Excel Champs	- o Completed a comprehensive Excel Dashboards and Data Analysis certification, acquiring advanced skills in dynamic dashboard creation, in-depth data analysis, and advanced Excel functionalities. - o Solidified expertise in translating raw data into actionable insights, enhancing capabilities as a data-driven professional.
Google IT Support	Coursera	- o Completed the Google IT Support Professional Certificate, gaining proficiency in core IT skills. - o Explored troubleshooting, networking, customer service, and cloud computing through client-side and server-side architecture.
AWS Cloud Technical Essentials	AWS Training and Education	- o Completed the AWS Cloud Technical Essentials certification, mastering core AWS concepts and ideate software solutions. - o Proficient in building scalable applications, with insights into AWS' shared responsibility model and IAM. - o Ready to optimize cloud infrastructure using AWS services for diverse use cases.
SQL for Data Science	Coursera	- o Earned the SQL for Data Science certification, gaining expertise in SQL fundamentals. - o Proficient in querying, filtering, sorting, and summarizing data. - o Skilled in creating analysis tables with the UNION operator and manipulating strings, dates, and numerics. - o Ready to contribute meaningful data insights through comprehensive SQL analysis techniques for improved decision-making.
Data Visualization With Power BI	Great Learning	- o Completed Power BI and Data Visualization certification, focusing on mastering data visualization components, Power BI DAX (Data Analysis Expressions), and visual analytics. - o Showcase proficiency in harnessing Power BI for effective data representation and analysis. - o Empowered to drive informed decision-making through compelling visualizations and Data Modeling.
Python Data Structures	Coursera	Implemented an in-depth learning program, delving into Python's syntax, data structures, and core programming principles; facilitated a 50% improvement in code quality and reduced debugging time by 40%.

POSITION OF RESPONSIBILITY	
Creative Strategist - Cosmic Crafts As the Creative Strategist at Cosmic Crafts, I spearheaded a thriving student community-based Design Firm. At Cosmic Crafts, we are dedicated to delivering innovative design solutions that not only meet but exceed our clients' expectations	Jul 2023 - Present

AWARDS AND RECOGNITIONS	
Software Engineer Intern Certificate HackerRank Data Scientist / Data Engineer: - o Leverage statistical analysis, machine learning, and programming skills for extracting insights from large datasets. - o Oversee the entire data engineering lifecycle. - o Proficient in collaborating with internal and external client stakeholders. - o Exhibit excellent verbal and written communication skills. - o Possess effective time management and problem-solving abilities. - o Demonstrate critical thinking skills in learning and working with AI, ML, and DS technologies. - o Successfully completed HackerRank's Software Engineer Intern certification program. In the program: - o Problem Solving: Showcase proficiency by consistently solving complex algorithmic and coding challenges, achieving a 95% success rate.	Nov 2023

CONFERENCES AND WORKSHOPS	
Google Student Developer - App Development Organized by: GDSC SRMIST RAMAPURAM Date: Feb 2023 LEARNATHON 2022	

Organized by: **ICT Academy** | Date: **Sep 2022**
Cyber Security Workshop
Organized by: **SmartKnower** | Date: **Feb 2022**
Python Workshop
Organized by: **Cybernaut** | Date: **May 2021**
Basics of Full Stack Developer
Organized by: **Cybernaut** | Date: **May 2021**

VOLUNTEER EXPERIENCE

SRM Institute of Science and Technology - Role: DEPARTMENT REPRESENTATIVE | Cause: Education **Feb 2023 - Feb 2023**

- Volunteered as the "DEPARTMENT REPRESENTATIVE" for Project Day 2023, earning a Certificate of Appreciation.
- Recognized for exceptional dedication and successful coordination with "St. Bede's Anglo Indian Higher Secondary School, Santhome, Chennai" on 26.02.2023.
- Impacted the future of outgoing students through dedicated service and effective collaboration.

EXTRA CURRICULAR ACTIVITIES

Volley Ball
Coding
PC Gaming
Photography

PERSONAL DETAILS

Date of birth: 20 September 2002	Father's name: Arumugam S
Permanent address: 1/132, South Street, Valaypatti, Sallipatti (post), Kunnur, Watrap Taluk, Srivilliputtur, Virudhunagar, Tamil Nadu, PIN - 626138	Languages known: Tamil, English
Permanent contact number: 8248554639	Nationality: Indian
Passport availability: No	