

Rutuja Ghagre

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EDUCATION AND HONORS

Rashtrasant Tukdoji Maharaj Nagpur University, Priyadarshini College of Engineering

Nagpur, Maharashtra

Bachelor of Computer Technology

Cumulative GPA: 8.22/10

Relevant Coursework: Artificial Intelligence, Probability & Statistics, Data Analysis, Database, Programming Languages, Electronics

PROFESSIONAL EXPERIENCE

Aerovania

Nagpur, IN

Data Science Lead

April 2023 – Present

- Led data science initiatives, overseeing the development of ETL web data pipelines for seamless data ingestion, transformation, and loading, and spearheaded the creation of a chatbot leveraging NLP techniques for improved customer engagement. Additionally, provided training and mentorship on ML model development to other teams, contributing to the successful implementation of data-driven solutions across electronics projects.

Standard Bank –Virtual

Forage

2024

Data Scientist Associate

- Completed a series of tasks simulating real-world scenarios encountered in a data science role at Standard Bank, including SQL queries for data retrieval and manipulation, and Python scripts for data analysis and machine learning model development.
- Successfully demonstrated proficiency in client communication and presentation skills by preparing and delivering insights derived from data analysis using PowerPoint presentations, showcasing the ability to translate technical findings into actionable business recommendations.

Aerovania

Nagpur, IN

Data Analyst

August 2022 – March 2023

- Spearheaded innovative solutions development at Aerovania, including Agribot Pest Detection Project with Raspberry Pi and Arduino for real-time monitoring and automated pesticide spraying.
- Trained convolutional neural networks (CNNs) using TensorFlow and Keras for precise pest detection in Agribot project.
- Implemented Water Surface Trash Detection using computer vision techniques and machine learning models, integrated with drones for efficient monitoring, and enhanced operational efficiency with Automatic Salary Slip Generator in Excel, ensuring accuracy in payroll management through VBA scripts and macros.

SKILLS

- Programming:** Proficient in Python; familiar with R, C/C++, Arduino
- Big Data & Machine Learning:** Skilled in Hadoop, MongoDB; Scikit-Learn, NumPy, Pandas, Matplotlib
- Data Science & Engineering:** A/B testing, SQL, experiment design, hypothesis testing, ETL, statistics, time series analysis
- Infrastructure & Tools:** Git version control; AWS cloud; APIs; CI/CD; containerization; microservices; Docker, PowerBI

CERTIFICATIONS

- Accenture Data Analytics and Visualization Certificate by North America Accenture (Forage Virtual Job)
- Drone Certification by Aerovania
- British Airways Data Science Certification (Forage)
- Python for Everybody Certification (Coursera)
- Google Data Analytics Certification (Audit) (Coursera)
- Data Science for Professionals by IBM (Coursera)
- Cisco Essentials for Data Analytics Certification
- Additional certifications in Cognitive AI and Audit courses from Coursera