

PRAVEEN VARSHNEY

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EDUCATION

Vellore Institute of Technology, Vellore

Integrated M.Tech Computer Science Engineering in spec. Data Science

Sep 5, 2020 – Present

CGPA: 8.78

PROJECTS

Traffic Signs Recognition System | Tensorflow, OpenCV, CNN

Feb 10, 2024 – March 18, 2024

- Built a traffic sign recognition model using Keras and TensorFlow, achieving an accuracy of **98.34%**. This model has the potential to improve road safety by assisting in the development of autonomous driving systems.
- Pre-processed a dataset of **40,000** traffic sign images, addressing data imbalance to improve model accuracy by **15%** compared to baseline models.

Chatbot | Dialogflow, MySQL, FastAPI, HTML, CSS, Ngrok

Jan 1, 2024 – Jan 25, 2024

- Developed and deployed a food delivery chatbot using Dialogflow. This streamlined order placement and tracking, resulting in an **80%** documented reduction in average order processing time.
- Implemented the backend using FastAPI and connected it to a MySQL database, enabling efficient handling of over **500** concurrent user requests.
- [Live site here](#)

Cricket Data Analysis | Python, Pandas, PowerBI

Dec 2, 2023 – Dec 22, 2023

- Created Power BI dashboards to visualize player performance and recommend team selections, enabling data-driven team building.
- Analyzed data from over **250+** players in the Men's T20 World Cup 2022 using web scraping and Python.
- Constructed a model to identify the optimal batting order using player batting average (above **30**) and strike rate (above **120**).
- Employed machine learning algorithms to select players for specific batting positions and bowling roles based on predetermined criteria (achieving an accuracy of over **95%**)

EXPERIENCE

Google Cloud

Sep 01, 2021 – Oct 02, 2021

Trainee

Remote

- Completed the **6** quest Google Cloud Platform (GCP) program, encompassing over **30** hands-on labs across Cloud Engineering and Data Science & Machine Learning tracks.
- Gained practical experience with over **12+** GCP services, including Distributed Computing, Compute Engine, Cloud Storage, BigQuery, and Cloud Functions, through hands-on labs and projects.
- [Google Cloud Profile](#)

GirlScript Winter of Contributing

Sep 09, 2021 – Nov 27, 2021

Contributor

Remote

- Contributed to over **2+** open-source frontend projects, implementing various features, fixing bugs, and enhancing user interface elements.
- Utilized Git and GitHub for efficient version control and collaboration, facilitating over **5+** code reviews and contributing code updates.

TECHNICAL SKILLS

Languages: Python, Java, R, SQL, NoSQL, JavaScript, HTML, CSS, JSON, C, C++

Developer Tools: AWS, MySql Workbench, GCP, Microsoft Azure, PowerBI

Technologies/Frameworks: TensorFlow, Scikit-learn, Linux, GitHub, Git, FastAPI, OpenCV

Coursework: ML, AI, DL, Data Analysis & Visualization, OS, DBMS, OOPS

CERTIFICATIONS & COURSES

- Microsoft Certified Azure AI Fundamentals(AI-900) - **SCORE - 940**
- Microsoft Certified Azure Fundamentals(AZ-900) - **SCORE - 890**
- Microsoft Certified Security, Compliance, and Identity Fundamentals(SC-900) - **SCORE - 935**
- IBM Coursera Course - What is Data Science?
- Udemy Course - The Complete Python Programming Course: Beginner to Advanced
- University of Michigan Coursera Course - Programming for Everybody (Getting Started with Python)