

LOKESHWAR REDDY VULUPALA

+91 9502665292 ✧ Hyderabad, Telangana

vulupalalokesh@gmail.com ✧ <https://www.linkedin.com/in/lokeshreddy256/> ✧ <https://github.com/Lokesh-256>

OBJECTIVE

Aspiring Data Science and Java Full-Stack professional with a strong academic foundation in AI, machine learning, and web development. Skilled in Python, Java, SQL, HTML, CSS, and JavaScript. Eager to contribute to innovative, real-world projects while continuously building expertise in both data-driven and full-stack solutions.

EDUCATION

Icfai Foundation For Higher Education	2020-2024
B.E. in Data science and Artificial Intelligence	Hyderabad, Telangana

SKILLS

Technical Skills	Python, Machine learning, sql, HTML/CSS, Javascript, Java.
Developer Tools	VS Code, Jupyter Notebook, Pycharm, IntelliJ, Anaconda.
Soft Skills	Communication, Teamwork and Collaboration, Problem-Solving, Time Management, Leadership.

EXPERIENCE

Research Analyst Turing	Jan 2025 - Apr 2025 Remote
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- Solved complex math and quantitative problems to evaluate and improve LLMs' reasoning abilities using Python in Colab and Jupyter environments.
- Collaborated on prompt engineering and model output evaluation, applying machine learning logic to refine model accuracy and reduce hallucinations.
- Generated high-quality training data and feedback loops for LLM fine-tuning, with a focus on mathematical correctness, clarity, and consistency.

Technology Job Simulation Deloitte	MAY 2024 - June 2024 Remote
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- Completed a job simulation involving data analysis for Deloitte's Technology team
- Created a data dashboard using Tableau
- Wrote a proposal for a client project to create a functioning dashboard
- Used Excel to classify data and draw business conclusions

PROJECTS

User Management Application. Developed a full-stack User Management Application using Java, Spring Boot, and MySQL with secure user authentication and role-based access control. Designed a responsive frontend using HTML, CSS, and JavaScript, and built RESTful APIs for user CRUD operations. Integrated JWT and Spring Security to ensure secure login and modular backend architecture.

Stock Price prediction. Built a machine learning model to predict stock prices using historical data and time-series analysis techniques. Implemented LSTM neural networks with TensorFlow/Keras to capture sequential patterns and trends. Performed data preprocessing, feature scaling, and model evaluation using RMSE and visualization tools like Matplotlib and Seaborn.

Object Detection. . Implemented an object detection model using pre-trained YOLOv5 to identify and classify objects in real-time from images and video streams. Optimized model performance through data augmentation, custom dataset annotation, and OpenCV integration.