

Abhinav Mamidi

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Summary

B.Tech (AI & Data Science) student with hands-on experience in Machine Learning, Data Visualization, and Full Stack Development. Skilled in Python, R, SQL, React, and AI frameworks like YOLO and OpenCV. Proven ability to deliver projects in real-world domains such as manufacturing, retail analytics.

Skills

- Programming: Python, R, C, Java, SQL
- Tools: Power BI, Tableau, GitHub, Postman
- AI/ML: YOLO, OpenCV, PyTorch, TensorFlow, Scikit-Learn
- Web: React, Django, Next.js

Education

- Bachelor of Technology, Artificial Intelligence & Data Science, Vignan Institute of Technology and Science, Hyderabad.
- Intermediate, Sri Chaitanya Junior College, Hayathnagar, Hyderabad.
- SSC, Montessori High School, Suryapet, Telangana.

Projects

PPE Detection in Automobile Manufacturing – Built YOLOv3-based AI model to detect PPE compliance in real-time, enhancing workplace safety by reducing manual inspections.

AI Code Reviewer – Developed AI-based debugging tool during internship at Innomatics Research Labs, improving code quality through automated insights.

Sorting Visualization Tool – Designed an interactive tool to visualize sorting algorithms (Bubble Sort, Quick Sort, etc.), enabling comparison of efficiency through real-time visualization.

Internship Experience

- Innomatics Research Labs (Jan 2025 – Mar 2025) – Data Science using Gen AI
- Infosys Springboard (Nov 2024 – Jan 2025) – PPE Kit Detection in Automobile Manufacturing

Certifications

- Postman API Fundamentals Student Expert (Jun 2024)
- Google Cloud – Prompt Design in Vertex AI
- Full Stack Development – Rinex Technologies
- Infosys Springboard Certifications

Achievements

- Student Ambassador at LetsUpgrade
- RBI90 Quiz - state level participant
- Google Cloud Arcade - Trooper