

G. Abhinav Charan

Hyderabad, India

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EDUCATION

Sphoorthy Engineering College

B.Tech in Computer Science & Engineering (AI & ML)

Hyderabad, India

Nov 2022 – May 2026 (Expected)

EXPERIENCE

VISWAM.AI

AI Developer Intern

IIIT-Hyderabad, India

May 2025 – August 2025

Worked on end-to-end development of web-based applications impacting 500+ users.

Built and deployed scalable tools integrating backend APIs and user interfaces.

Collaborated with a 4-member engineering team following Agile practices.

Contributed to performance improvements and feature development ensuring reliability.

PROJECTS

AI-Driven Virtual Interior Designer

- *Streamlit, OpenCV, PIL, GPT APIs* March 2025
- Developed AI-powered web app suggesting 5–10 designs per session.
- Reduced latency by 40% via optimized OpenCV & PIL pipelines.
- Led a 3-member sub-team, managing design decisions and reviews.
- Integrated 3D visualization and natural language feedback.
- **NLP Linguistic Analysis for Text Classification**
- *NLP, Python* Dec 2024
- Implemented morphological analysis & N-gram feature extraction.
- Improved classification precision by 12% using F1-score and accuracy.
- **Image Cartoonizer**
- *OpenCV, KMeans, Streamlit* Sept 2024
- Built Streamlit app to convert images into cartoon versions.
- Implemented bilateral filtering & edge detection improving clarity by 30%.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C, R, HTML, CSS, LangChain
- **AI/ML:** Classification, Regression, NLP, GPT APIs
- **Databases:** SQL, SQL Server
- **Tools:** Git, VSCode, Streamlit
- **Libraries:** NumPy, Pandas, PyTorch, OpenCV, Sklearn

RELEVANT COURSEWORK

Data Structures • Machine Learning • Database Management • Analysis of Algorithms • Software Engineering • Operating Systems

CERTIFICATIONS

- Deloitte Australia – Data Analytics (Forage), Jul 2025
- AWS Data Engineering Virtual Internship, Mar 2025
- Google AI/ML Virtual Internship, Dec 2024