

Charan Katkam

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PROFESSIONAL SUMMARY

AI and Machine Learning-focused Computer Science undergraduate with hands-on experience building NLP-based automation systems and deploying supervised learning models in Python. Strong foundation in model evaluation, data preprocessing, and full-stack development. Seeking AI/ML internship or entry-level roles.

EDUCATION

G. Pullaiah College of Engineering and Technology <i>B.Tech in Computer Science (Artificial Intelligence)</i>	Aug 2022 – May 2026 <i>CGPA: 7.5</i>
Sri Chaitanya Junior College, Hyderabad <i>Pre-University (Science)</i>	Jun 2019 – Mar 2021 <i>Marks: 912/1000</i>
Manasa High School, Jagtial <i>Secondary School Certificate (SSLC)</i>	Jun 2018 – Mar 2019 <i>CGPA: 9.3</i>

EXPERIENCE

SmartBridge <i>AI Developer Intern (Remote)</i>	Jun 2025 – Aug 2025
<ul style="list-style-type: none">– Designed and implemented an SDLC automation platform using NLP-based classification models in Python.– Built supervised learning pipelines for requirement classification and defect-prone module prediction.– Evaluated models using accuracy and precision metrics, reducing manual QA effort by 30%.– Integrated six modular AI components into an internal NLP chatbot to support developer workflows.	

PROJECTS

SmartSDLC — Python, NLP, Machine Learning

- Developed an end-to-end NLP system for software requirement analysis and defect prediction as a personal project.
- Handled data preprocessing, feature extraction, and model evaluation to surface defect-prone components earlier in the SDLC.

AJ Abhi Jewels — Next.js, TypeScript, Tailwind CSS

- Built a full-stack e-commerce platform with server-side rendering and SEO optimization.
- Improved frontend performance to achieve a consistent 2-second page load time.

Air Cursor Using Hand Gestures — Python, OpenCV

- Implemented a computer vision-based hand gesture recognition system enabling hands-free cursor control.

TECHNICAL SKILLS

Languages: Python, Java, SQL

Machine Learning: Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, OpenCV

Web Development: HTML, CSS, JavaScript, React, Next.js

Developer Tools: Git, GitHub, Jupyter, MySQL, VS Code

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

Generative AI with IBM – SmartBridge

Python Programming – Microsoft (SkillIndia)

Prompt Engineering with OpenAI – Columbia+

Java Programming - Codetantra

AI Data Quality Analyst – Rooman Technologies