

KATARU GANGADHAR

Google Cloud Certified

GitHub: <https://github.com/Ganga522>
LinkedIn: <https://www.linkedin.com/in/kataru-gangadhar/>
Portfolio: <https://portfolio-ganga522s-projects.vercel.app/>
Email: katarugangadhar522@gmail.com
Phone: +91 9381253611
Location: Kadapa, India

PROFESSIONAL SUMMARY

AI & Generative AI specialist with proven expertise in Python, NLP, and machine learning. Experienced in developing and fine-tuning LLMs, building RAG pipelines, and deploying solutions on Google Cloud. Skilled in integrating full-stack development with advanced AI techniques to deliver scalable, secure, and data-driven business solutions that enhance decision-making, innovation, and risk management.

EDUCATION

B.Tech (CSE), IIIT RGUKT RK Valley	Aug 2021 – May 2025 CGPA: 8.14/10.0
Pre-University Course, IIIT RGUKT RK Valley	June 2019 – April 2021 CGPA: 8.77/10.0
SSC, TSZPHS Vempalli	May 2019 CGPA: 9.8/10.0

PROJECTS

- Drowsiness Detection (Python, OpenCV, Deep Learning)** [GitHub](#)
 - Built a real-time drowsiness detection system leveraging computer vision for **eye movement tracking**.
 - Implemented a **sound alert system** to improve driver safety, reducing potential accident risk.
- College Management System (Django, React, MySQL)** [GitHub](#)
 - Developed a centralized student record system, increasing **attendance tracking efficiency by 50%**.
 - Restructured database queries, cutting data retrieval time by **30%** and boosting performance.
 - Improved system efficiency by **30%** through database optimization with Django and SQLite.
- Car Rental System (Django, SQLite, JavaScript)** [GitHub](#)
 - Created an interactive vehicle booking platform, improving online reservation efficiency by **60%**.
 - Automated booking confirmation emails, reducing cancellation rates and enhancing user experience.

TECHNICAL SKILLS

- Programming:** Python, SQL, JavaScript, Git, Linux
- AI/ML:** Machine Learning, Deep Learning, NLP, LLMs, RAG, Prompt Engineering
- Frameworks & Libraries:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Django
- Databases:** MySQL, PostgreSQL, SQLite, BigQuery
- Cloud:** Google Cloud (Vertex AI, Cloud Functions, Pub/Sub, Dataprep)

CERTIFICATES

Professional Machine Learning Engineer | **Google Cloud Platform** | **2025** - [Certificate Link](#)
Generative AI Leader | **Google Cloud Platform** | **2025** - [Certificate Link](#)
Cloud Digital Leader | **Google Cloud Platform** | **2025** - [Certificate Link](#)
Intermediate Python | **CYBRARY** | **2024** - [Certificate Link](#)

VOLUNTEER EXPERIENCE

- Increased alumni engagement by 40% by coordinating web activities for the Alumni Association.
- Managed election processes efficiently, ensuring 100% transparency and smooth execution.
- Represented NCC at national-level camps, enhancing leadership and discipline skills.