

# 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/>

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**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.