# Rahulgouda Mariyappagoudar

+91 6361094621 | rahul.k.mariyappagoudar@gmail.com | LinkedIn | GitHub

## Education

**Basaveshwar Engineering College - Bagalkot**
*B.Tech in Artificial Intelligence and Machine Learning* — *Dec 2021 – May 2025*

## Technical Skills

**Languages:** Python,SQL.
**Frameworks:** TensorFlow,Langchain,Fast API,Hugging Face.
**Tools & Platforms:** Docker,CI/CD,Git, Jupyter, Bash Scripting, HPC (A100/V100 GPUs).

## Work Experience

**Sudarshana Semiconductors Pvt Ltd.** | *AI Engineer (spin-off Gonagoor Technologies)* — Aug 2025 – Present

- Built core components of the Sanskrit LLM project — scraping 9000+ pages, dataset cleaning, embeddings and RAG-based QA chatbot.
- Model training and research on transformers and LLaMA using HPC GPUs; guided interns and conducted workshop on LLM training.
- Led the full software development as the sole engineer, converting linguistic research insights into complete working AI systems.

**Gonagoor Technologies** | *SDE Intern / AI Intern* — Feb 2025 – Jul 2025

- Developed backend for Slack, Jira and Trello migration tools using FastAPI; tested using Postman for secure and lossless migration.
- Trained ML models on NPSF HPC GPUs for internal research; also contributed to marketing (design + sales experiments).
- Delivered a stable migration backend that enabled seamless workspace transition for users without data loss, improving customer onboarding reliability.

**Unified Mentors** | *Data Analyst Intern* — Dec 2024 – Feb 2025

- Cleaned and analyzed datasets using Pandas and built dashboards for automated reporting.

**Amsa Embedded Solutions** | *Developer Intern* — Mar 2023 – Apr 2023

- Built and deployed a responsive website using HTML, CSS, PHP and SQL.

## Projects

**Automatic Report Generator** | *Python, NLP, Generative AI, API Integration* — July 2024

- Created a tool that automatically generates report content based on project title and code.
- Integrated Gemini API to generate structured and relevant report sections.
- Built a Streamlit UI for easy user input and report download.
- Designed a scalable API-based approach to support different types of project inputs.

**Sugarcane Leaf Disease Detection** | *Python, TensorFlow* — May 2024

- Trained a CNN using ResNet50 and achieved 97% accuracy for leaf disease detection.
- Used data augmentation and optimization to improve model performance.