






# MANJUNATH R KARAGUPPI

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## SUMMARY

Aspiring AI/ML and software engineer pursuing a Bachelor's in AI/ML, skilled in Python, C++, SQL, and full-stack development. Passionate about building data-driven, cloud-based software solutions

## EDUCATION

### Bachelor of Engineering in AIML

Bangalore

Cambridge Institute of Technology CGPA 8.6

## SKILLS

Programming Languages	C++, C, Python, JavaScript
Web Development	Node.js, Express.js, React.js, HTML, CSS, Bootstrap
Databases & Tools	MySQL, MongoDB, GIT, RESTful APIs
Machine Learning	Pandas, NumPy, Deep Learning, AI, GenAI, Agentic AI
Core Computer Science	Object-Oriented Design, Data Structures , Algorithms , Complexity Analysis, Problem-Solving and DBMS

## EXPERIENCE

### Data Analyst Intern

Ekshauk

- Conducted exploratory data analysis EDA on multiple datasets using Python and Pandas to identify key insights and inform data-driven feature development.
- Performed data pre-processing, data cleaning, and feature engineering to prepare datasets for machine learning models and analytical reporting.

### Project Intern

Samsung Prism

- Built an automated pipeline using CLIP, FID, and object detection to evaluate realism, prompt adherence, and hallucinations in AI-generated images.
- Developed a ranking system that processed 25+ images/minute and achieved  $\geq 0.8$  correlation .

## PROJECTS

### AI-Powered Grammar and Tense Checker

- Engineered a scalable full-stack web application , improving processing efficiency by 40
- Designed a complex full-stack/AI architecture to support advanced features like voice assistant integration and specialized IELTS/TOEFL modules, resulting in a 90%feature completion rate for the core coaching platform.

### Network Security API with Machine Learning

- Developed and implemented a machine learning model to detect network anomalies using classification techniques , achieving an accuracy of 86%.
- The solution was built using an object-oriented design and deployed as a scalable API with FastAPI, demonstrating an understanding of multi-tiered systems.

### Full-Stack Commercial Loan Document Processor

- Engineered scalable, decoupled data pipeline , achieving 80% processing resilience .
- Implemented ACID-compliant transactional logic and Object-Oriented Design to track 500+ concurrent loan states for robust workflow management.

## KEY ACHIEVEMENTS

- Cybersecurity Challenge Winner (MVP Stage)