Karthik Prabhu

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Summary

A computer science engineering student with hands-on experience in AI-powered solutions and web applications. Skilled in data integration, performance optimization, full-stack development, and problem-solving, with strong ability to work collaboratively in diverse teams.

Skills

Programming & Querying: C++ (Experienced), Python (Skillful), MySQL (Skillful), HTML CSS (Experienced), JavaScript (Skillful), Java (Skillful), Linux (Skillful).

Soft Skills: Project Management, Time Management, Leadership, Problem-solving, Adaptability.

Languages: English (Highly proficient), Kannada (Native Speaker), Konkani (Native), Hindi (Fluent).

Experience

Web Developer Intern **Mar 2026 – Present**

Joblit ***React, HTML, Appwrite, SQL***

Completed a **full-time Web Developer Internship** with **Joblit** (Engineering & Technology), building responsive web applications and collaborating on UI/UX and API integration tasks. Gained hands-on experience in code reviews, sprint planning, debugging, and industry-standard development practices.

Quantium, Job Simulation **Jul 2024 – July 2024**

Forage ***Python, Dash, Git, SQL***

Completed a self-paced 7–8 hour course simulating software engineering at **Quantium**, including environment setup, data prep, building an interactive Dash dashboard, implementing front-end improvements, and writing automated tests.

Projects

Personal Finance Management System (Finex) | *Python, FastAPI, React, OCR* **Dec 2025**

- Processed receipt images (JPG, PNG, PDF) using **OCR pipelines** to extract merchant, date, items, tax, and total amount, building clean, analysis-ready expense records.
- Designed and implemented a **full-stack architecture** with **FastAPI (backend)** and **React + TypeScript (frontend)**, supporting secure OTP-based authentication and JWT sessions.
- Built **expense analytics and dashboards** with category breakdowns, monthly trends, and summary KPIs to help users track spending patterns and identify overspending.

Dog Breed Prediction Using CNN | *Python, TensorFlow, Keras, Streamlit* **Apr 2025**

- Processed **20,580 images across 120 dog breeds** from the Stanford Dogs dataset to build a consistent, model-ready training pipeline.
- Fine-tuned **Inception-ResNet V2** and **NASNet-A Mobile** using transfer learning, achieving **90.69% test accuracy** on fine-grained classification.
- Applied image augmentation and optimization techniques (resize, normalization, rotation, flipping) to improve generalization and reduce overfitting.
- Deployed the best-performing model as a **Streamlit web app** for real-time image upload and breed prediction, enabling both online and offline inference.

Awards & Certifications

- **Innovating With Google Cloud AI – 2025:** Completed an AI course covering machine learning basics, data insights, cloud tools, and business innovation. Gained hands-on experience using smart APIs, analyzing datasets, and solving real-world business problems. .
- **Python – 2024:** Completed a Python course covering core programming concepts, data structures, and object-oriented programming. Gained hands-on experience writing clean, efficient code and building small real-world applications.

Education

B.Tech. Computer Science and Engineering **Graduated: 2026**

CMR University, Bangalore, Karnataka *CGPA: 7.76 / 10*