

VIVEK V

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Career Objective

Computer Science and Data Science undergraduate with hands-on experience in building AI chatbots, full-stack web, and mobile applications. Interested in Artificial Intelligence, RAG-based systems, and Flutter development, with practical knowledge of REST APIs, databases, and Git. A quick learner and problem solver seeking an entry-level software or AI developer role to apply technical skills and continue learning.

EXPERIENCE

Apsis Solutions — Mobile Application Development (Internship)

Feb 2026-Present

- Developed cross-platform mobile/web apps using Flutter and web technologies, including a home-automation control system and a real-time weather app via REST APIs; handled backend communication, debugging, performance optimization, basic Django APIs, and Git-based collaboration.

PROJECTS

AI POWERED STUDENT LEARNING PLATFORM USING RAG WITH LANGCHAIN



Built a full-stack AI academic chatbot (MERN + LangChain) that answers student queries using document-based semantic search and real-time chat with stored history. Integrated AWS services (Bedrock, S3, Cognito), embeddings pipeline, and modular REST backend for secure and scalable document Q&A.

Tech Stack: MERN Stack, LangChain, Gemini API, AWS S3, Socket.IO

DDOS DETECTION IN SDN WITH ML



Developed a network intrusion detection model to identify abnormal traffic patterns using Python, Pandas, and Scikit-learn preprocessing and training. Analyzed and visualized attack detection results with Matplotlib to evaluate model performance.

Tech Stack: Python, Scikit-learn, Pandas, Matplotlib

WEATHER MOBILE APPLICATION



Created a Flutter cross-platform weather app with responsive UI, dark/light mode, and GPS-based city search. Integrated OpenWeatherMap REST API for real-time and 7-day forecasts, handling async calls, caching, offline storage, and error management.

TECHNICAL SKILLS

- **Programming Languages & Technologies:** Python, C, Dart, JavaScript, HTML, CSS, Flutter, MERN Stack, Django, MySQL, REST APIs, Git & GitHub.

- **Tools & Concepts:** Retrieval-Augmented Generation (RAG), LLM APIs, Prompt Engineering, API Integration.

EDUCATION

ATME College of Engineering, Mysuru

2022-26

Bachelor of Engineering in CSE (Data Science)- 8.37 CGPA

JSS PU College, SJCE Campus, Mysuru

2020-22

PCMB-91.17%

ADDITIONAL INFORMATION

Certifications

- **Python Foundations Certification** — Infosys Springboard, **Data Engineering Training** — IVIS Lab

- **Published research paper** “A Review on RAG-Based Student Assistant Chatbot using LangChain” in EPRA International Journal of Research and Development (IJRD), Vol.10, Issue 8, Aug 2025

DOI: <https://doi.org/10.36713/epra23698>

- **Participation:** Participated in CODE-HUNT 2025, Vidyavardhaka College of Engineering

- **Languages Known:** English (Professional), Kannada (Native), Hindi (Limited)

Interests : Artificial Intelligence & Chatbot Development , Full-Stack Web & Mobile App Development

Problem Solving & Learning New Technologies