Vaibhav Rajashekhar Ganiger

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Education

B.E in Computer Science and Engineering, JSSSTU   2022 - 2026
Mysore, Karnataka, India   *CGPA: 9.40 / 10*

Intermediate, Narayana PU College   2020 - 2022
Bellary, Karnataka, India   *Percentage: 87.33%*

Matriculate, Basavarajeshwari Public School and College   2019 - 2020
Bellary, Karnataka, India   *Percentage: 86.16%*

Technical Skills

Languages: **C, C++, Python, MySQL, HTML, CSS, JavaScript, React.js, Node.js, ExpressJS**.

Tools: **Visual Studio, Git, GitHub, Postman, Docker, Terraform, Kubernetes, MongoDB, LangChain, FAISS, Streamlit, OpenAI API, Gemini , NumPy, Pandas, Matplotlib**.

Core Skills: **Technical Writing, Stakeholder Communication, Project Ownership, Analytical Reasoning, Team-based Development**.

Projects

Quick-Revise – AI KCET Revision Platform :

- **Full-Stack Platform**: Built with **React.js**, **Node.js**, and **MongoDB Atlas** for last-minute Physics/Math revision.
- **OCR Integration**: Used **Google Vision API** for solving handwritten math problems with **92% accuracy**.
- **LLM-Based Notes**: Auto-generated topic-wise summary content using **Gemini API** aligned to NCERT/CBSE.
- **Adaptive Testing**: Implemented 3-level difficulty tests with real-time feedback and scoring and **reduced revision time by 50%**.

AI-Powered Equity Research Assistant :

- **LLM-Powered Research**: Developed an **AI-driven tool** using **LangChain**, **OpenAI APIs**, and **Streamlit** for real-time **Q&A** and **summarization of 50+ financial documents**.
- **Semantic Search**: Integrated **FAISS** for **vector-based retrieval** from a **vector database** and built **custom RAG pipelines**.
- **Interactive Interface**: Developed a user-friendly chatbot and document explorer reducing research workload by **60%**.
- **Finance-Centric**: Tailored for equity analysts, reducing report analysis time from **30 mins to under 10 mins**.

DevOps Deployment of E-Commerce App on AWS:

- **IaC with Terraform**: Automated provisioning of **4 EC2 instances**, **2 VPCs**, and **EKS cluster** with **100+ lines of Terraform scripts**.
- **Dockerization**: Containerized 4 microservices resulting in **40% faster deployments**.
- **Kubernetes Deployment**: Deployed to **AWS EKS** with **auto-scaling**, **load balancing**, and **zero downtime**.

Other Projects

- Heart disease prediction using ML.
- Full Stack Doctor Appointment Booking System.
- Full stack Food Delivery website.

Achievements

- **Top 30/150+ teams** in **HackXerve Hackathon (2025)** for building an AI-based **Agri-Tech marketplace platform**.
- **Top 3 Finalist** at **SAP Hackfest 2025 (Regional Round)** among **50+ teams**.

Languages and Hobbies

- **Languages:** English (Fluent), Kannada (Native), Hindi (Fluent), Telugu (Conversational).
- **Hobbies:** Cricket (District-level), Gym (5x/week), Music, Documentaries (Startups/Tech/Geopolitics/sports/history).