Veeresh S K

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Summary

I'm a Full-Stack Developer who enjoys turning ideas into working products. My experience spans building and deploying web applications with the MERN stack with **2+** years of academic and project experience, where I've developed platforms like **FinTracker** and **PHYTECH**, embedding AI features to make them smarter and more useful. I thrive in fast-moving environments — from hackathons to academic projects — where solving problems under pressure is the norm. I'm looking for opportunities in Full-Stack or Backend Development where I can design scalable systems, build reliable APIs, and keep learning by tackling real-world challenges.

TECHNICAL SKILLS

Languages : *Python (Advanced), JavaScript (Intermediate), Java (Intermediate), TypeScript (Basic), HTML, CSS*

Frameworks/Libraries: *React.js, Node.js, Express.js, TailwindCSS , Common JS*

Databases: *MongoDB, SQL*

Tools: *Git, Postman, Figma, VS Code, MS Excel, Thunder Client, Bruno*

AI/ML: *Prompt Engineering, OpenAI APIs, N8N (n8n)*

EXPERIENCE

PHYTECH - AI-Driven BB/PP Hardware Marketplace (2025)

- Developed a MERN stack marketplace for second-hand tech, integrating AI powered recommendations that improved user engagement by an estimated 3%.

- Implemented features for buy/sell, repair, and service requests, focusing on a modular architecture to support 10 + transactions.

Lexolution – Legal Workflow Management Tool (Group Project)

- Designed and developed a MERN stack legal workflow automation platform with role-based dashboards for distinct user types.
- Managed backend services with Express and MongoDB, implementing clean schema designs that reduced data retrieval time.
- Built pixel-perfect and responsive front-end based on Figma designs, achieving 95 % UI fidelity across devices.

FinTrackr – AI + Personal Finance App (- Ongoing)

- Built a production-grade financial assistant with + core features including portfolio tracking, PDF export, and stock alerts.
- Integrated OpenAI and Gemini APIs, enabling smart financial insights and meeting summarization for + users.
- Implemented JWT authentication with secure cookies, refresh tokens, and route protection, achieving ,90% security uptime.

- Added FA, internationalization (i n) for languages, and role-based access for enterprise polish.

Full-Stack Multimedia AI Agent with RAG

- **Tech Stack:** Python, FastAPI, React.js, Pinecone (Vector DB), Google Gemini, Sentence-Transformers, OpenCV, Docker, Render.com (for deployment).
- **Architected and built a full-stack, decoupled web application** featuring a React frontend and a Python/FastAPI backend to provide AI-powered analysis of multimedia documents (PDFs, images, videos).
- **Engineered a Retrieval-Augmented Generation (RAG) pipeline** for PDFs by chunking text, creating vector embeddings with Sentence-Transformers, and indexing them in a Pinecone vector database for efficient, scalable semantic search.
- **Implemented advanced video analysis** by developing a processing module with OpenCV to extract keyframes, enabling the Gemini Pro model to understand and answer questions about time-based events.

EDUCATION
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BACHELOR OF COMPUTER APPLICATIONS (HONS), SOFTWARE PRODUCT ENGINEERING

RV UNIVERSITY, BENGALURU (KALVIUM INTEGRATED PROGRAM) **| 2024 - 2028**

ACHIEVEMENTS AND LEADERSHIP
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Team Lead – Google Gen AI Hackathon: Successfully led a cross-functional team to achieve a Top National Submission (out of 100+ teams),
- Demonstrating strong leadership and technical acumen. Developed an innovative emotional support web application utilizing the Gemini API,
- showcasing expertise in AI-driven solutions and a commitment to user well-being.

National Winner – Prompt Repo Hackathon: Recognized as a Top 5 National Winner among 200+ competing teams. Spearheaded the development of Lexolution, a MERN-based legal operations platform.
- Implemented automated workflows, intuitive role-based dashboards, and a clean UI/UX, reflecting a comprehensive understanding of full-stack development and a user-centric approach.

Core Member – Google Developers Group: Actively contributed to 15+ community events and developer meetups, fostering a collaborative environment.
- Delivered 5+ technical talks on Generative AI and full-stack development, sharing knowledge and insights.
- Mentored 10+ junior developers, demonstrating a humble and supportive approach to skill development.

Core Member – Debsoc (Debate Club): Represented the university in 8+ intercollegiate debates, consistently earning finalist positions in 3 major competitions.
- Mentored 5+ junior debaters, showcasing strong communication skills and a dedication to team growth within a team environment.

ADDITIONAL INFORMATION

Soft Skills: Leadership, Public Speaking, Fast Learner, Strong Communication
Languages: Kannada, English, Telugu, Hindi
Interests: Swimming, Reading (Technology, Personal Growth), Throwball (District Player)