Shravan M R

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EDUCATION

Bachelor of Engineering - Computer Science and Engineering (AI & ML) 2021 – 2025
M S Ramaiah Institute of Technology, Bangalore *Current CGPA: 8.80/10*

Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Database Management Concepts and Systems, Operating Systems, Big Data Analytics, Deep Learning, Machine Learning, Generative AI, Object Oriented Programming using Java, Computer Networks and Communication, Computer Organisation and Architecture, Compiler Design and Automata Theory

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C++
Development Tools: Git, GitHub, PyCharm, Google Colab, Postman, Docker, Vercel
Frameworks and Libraries: Node.js, React.js, Next.js, Tailwind CSS, FastAI, PyTorch
Data Management: Relational Databases (MySQL), Non-Relational (Firebase, Chroma DB)
Cloud Platforms: AWS, Google Cloud Computing

EXPERIENCE

Spritle Software | *Machine Learning Intern* Mar 2024 – May 2024
- Developed an **image search engine** with CLIP model and vector database, increasing search accuracy up to 85%
- Leveraged LLMs to enhance **product data extraction** and improve **shopping experience** with an AI chatbot.

CADRE ODR | *Software Developer* Jan 2024 – Mar 2024
- Developed a real-time **grievance redressal** (RAG) application using ChromaDB and **Mistral 7B** & **Llama 2** LLMs for user interaction and information extraction.
- Fine-tuned a **BART model** on a custom grievance dataset for zero-shot **hierarchical classification** of government departments. Connected the classification model to the chatbot that consecutively prompts user to navigate and reach final node.

NextWealth | *Intern Generative AI Solutions* Oct 2023 – Jan 2024
- Implemented **generative AI strategy**, automating repetitive tasks and reducing average handling time by 5 minutes per task.
- Developed AI automation that eliminated one layer of quality check analysis out of three, significantly streamlining operations.
- Successfully led the development of AI prototypes that solved complex client challenges, resulting in operational cost savings.

Foodingo Pvt. Ltd | *Full-Stack Developer* Jun 2022 – Aug 2023
- Collaboratively designed and developed the backend architecture.
- Built a dynamic landing page and admin panel web app with role-based access controls.
- Leveraged Next.js to implement a responsive and SEO-optimized front-end with authentication and backend using Firebase.

PROJECTS

F&B - QR based Food Ordering & Restaurant Management System | *Typescript, AWS, MongoDB* Jan 2024
- Led full-stack development, building **60+ APIs** with Node.js and a responsive front-end with TypeScript and Tailwind.
- Optimized performance with **client-side caching**; managed data with **MongoDB** and media storage via **AWS S3**.
- Deployed to serve **2000+ monthly users** and 100 active customers per day, including a **donation** service for tribal communities.

NoteRep | *Next.js, Node.js, Tailwind CSS, Firebase, Google SEO, Git, Vercel* May 2022
- It is a comprehensive Study Materials and **Notes sharing platform** for college students.
- Integrated features like **Live Calendar** view, **Community Links**, **User Shared links** and **Real-time Class Timetable**
- Built an **AI Chatbot** that navigates users across NoteRep and **Generates real-time ads** in the conversation.
- Actively maintained with 200+ active users, **3,000+** monthly visitors, and **75,000+** total views to date.

Enigma Escape | *Python, Streamlit, Llama-3 70B Model, Git, Firebase* December 2023
- A **Text-Based Game** where players have to manipulate an AI into saying specific phrases at different levels.
- Designed game-play where players make indirect queries/prompts to **LLM**, ensuring responses contain specified phrases.
- Integrated **Firebase** to manage user authentication and capture all activities, enabling precise player score tracking.

LEADERSHIP

E-Cell Ramaiah - Student club | *Vice President* 2024 – Present
Spearheading initiatives to foster entrepreneurship, encouraging startups. Organized events engaging 500+ students, showcasing adept team management, leadership, and organizational skills. Gained practical experience through a 1-year stint at a startup incubated by E-Cell.

Google Developer Student Club (GDSC) | *Core Member* 2023 – Present
Played a pivotal role in expanding the club's presence, facilitating collaborations with industry experts, and enhancing members' technical skills through coding challenges and hackathons.