Shrikant Ramani

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EDUCATION

GL Bajaj Institute of Technology and Management   August 2019 - August 2023
Bachelor of Technology in Information Technology   *Greater Noida, Uttar Pradesh*

JKG International School   March 2016 - March 2018
XII   *Ghaziabad, Uttar Pradesh*

TECHNICAL SKILLS

Programming Languages: Python, C++, Javascript, HTML
Frameworks: ReactJs, Node.js, Express.js, Next.js, Typescript, FastAPI, Tailwind-Css, Graphql,
Architectures and Tools: Git, GitHub, MVC, MVT, Docker, Kubernetes, MongoDB, AWS, Postman, Prisma

PROJECTS

LiveWave Live Video Streaming app (*Node.js, Express.js*): Github   .

- Implemented video scaling capabilities using ffmpeg within docker, dynamically optimized video bitrate, resolution, and network conditions resulting in a 40% reduction in buffering time.
- Initiated web socket connections for real-time synchronisation and transmission of binary data streams to YouTube's RTMP server.

Quilldocs - Word Editor (*MERN*): Github

- Engineered real-time collaboration features using socket.io for bidirectional communication, enhanced team productivity by 60% and seamless data exchange with quill.js delta format.
- Orchestrated autosaving functionality to persist document contents to MongoDB, mitigating data and loss risk.

Homyz Property booking app (*MERN, Autho, Prisma*): Github Live

- Constructed carousel navigation with swiper.js, animated using framer-motion, implemented react-query for cache maintenance, query handling and invalidation.
- Integrated Prisma with MongoDB to enhance schema`s robustness and secured with Auth0 with JWT for client and backend.

GeniusAI Content Generator (*Next.js, Shadcn, OpenAI, Replicate*): Github Live

- Spearheaded next.js and Shadcn UI for modern interface and clerk for fostering seamless authentication.
- Synchronized OpenAI and ReplicateAI to generate content (code, video, audio), facilitating efficient user management using SSR and CSR.

ShopBoard Admin-Dashboard (*ReactJS, JavaScript, Tailwind CSS, HTML*): Github

- Leveraged ContextAPI for effective state management, improving loading time and solving user wait problems by 50%.
- Embedded Syncfusion components, including calendars, graphs, editors and charts, provided cutting-edge UI features which increased user interactions by 40%.

AI-PDF ChatBot (*Langchain, Nodejs*): Github

- Developed an AI PDF chatbot application using Node.js and LangChain, with embeddings stored in VectorDB, designed to efficiently respond to PDF queries.

ACHIEVEMENTS

- Solved over **450+ DSA** questions.
- Achieved contest Rating of **1452** in **Leetcode** and **1488** in **Codechef**.
- Written over **10** articles at **Geeksforgeeks** on **Data Structure** and **Algorithms**.