KEERTHI VIBISAN S

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WORK EXPERIENCE

Grootan Technologies   **Chennai, India**
Software Engineer   June 2023 - Present

- Led analysis of the **Matrix protocol** and evaluated the **Synapse server** for TI-Messenger compliance.
- Designed and implemented **IAM and User Management** modules for the **KOBIL Worksphere**.
- Integrated **IdP features** into the **Kobil KYC system** for secure identity verification.
- Developed and maintained **Spark Zen's Admin Portal** using **Next.js**.
- Architected and implemented **HLD/LLD** for the **Super App backend** using **Java, Quarkus, and Redis**.
- Gained experience using GPT tools and prompt engineering to automate some development tasks and speed up workflows, leading to faster and efficient project execution.

YaaRaa Technologies   **Madurai, India**
Software Developer Intern   Oct 2021 - March 2022

- Built the official website for YaaRaa Technologies.
- Developed and deployed a dynamic blog platform for Royal Link Solutions.

EDUCATION

Bannari Amman Institute of Technology   **Sathy, India**
B.Tech, Computer Technology   CGPA: 9.2

PROJECTS

- **Docs Online:** Built a Google Docs clone with real-time user collaboration using ReactJS, NodeJS, WebSockets, and MongoDB. Added a one-click lock feature for document owners.
  - https://docsonline.netlify.app
- **Cryptography Chat App:** Developed a secure messaging app using AES-256-CBC encryption, enabling users to chat with end-to-end encrypted messages.
  - https://cryptography.netlify.app
- **E-Learning Portal (POC):** Designed a system to prevent certificate fraud by enforcing video watch thresholds and tests before unlocking content, ensuring genuine course engagement.

SKILLS

- **Programming Languages & Frameworks:** Java, JavaScript, Next.js
- **Security & Design:** IAM, Keycloak, System Design (HLD/LLD)
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevOps & Infrastructure:** AWS, Docker, Linux, Git
- **AI & Innovation:** Prompt Engineering, GPT Tools

Last Updated: May 11, 2025