SUKESH R

✉ sukesh.ct23@bitsathy.ac.in 📞 9025086329 💼 sukesh777 🔗 sukesh-777

EDUCATION

BANNARI AMMAN INSTITUTE OF TECHNOLOGY
Bachelor Of Engineering **– Computer Technology**
CGPA 7.01

PROJECTS

EduLang-Lite | AI-Powered Document Insight & Translation App
(React, TypeScript, Tailwind CSS, Deno, Supabase, Gemini 2.5 Flash, Docker, Render)

- Engineered a **full-stack AI web application** integrating **OCR, translation, and generative Q&A** for multilingual document understanding
- Integrated **Gemini 2.5 Flash** for **retrieval-augmented generation (RAG)** to deliver **context-aware insights** from unstructured text data.
- Deployed **containerized backend (Deno + Docker)** on Render, enabling scalable **data pipelines** and optimized inference latency.
- Utilized **Supabase (PostgreSQL)** for data management and user authentication, supporting structured data warehousing.

PopCorn Picks | Movie Recommendation System
HTML, CSS, Python, Machine Learning (Linear Regression)

- Built an **ML-based recommendation engine** trained on a **13,500-entry dataset**, predicting user preferences through **statistical regression modeling**.
- Engineered **data query and caching pipelines** with dynamic expiration to optimize real-time recommendations.
- Applied **read-write concurrency control** for faster data access and enhanced system performance.

BITtweets | Decentralized Campus Communication Platform
React, Tailwind CSS, MongoDB (Contributed Project Work)

- Developed a **microservice-driven social platform** for campus communication and event insights, promoting **data-driven engagement metrics**.
- Implemented a **privacy-preserving lost-and-found detection module** using object tracking and **data stream analysis**.
- Built **data collection pipelines** to analyze campus trends, enabling **real-time decision dashboards** for community interaction.

SKILLS

Languages – java (core) , C , Javascript, HTML/CSS
Software & Frameworks – GIT, GITHUB, React, Node.js, Express.js
Technical Skills – DSA (60%), OOPS (70%), DBMS (60 %), Prompt-Engineering
Databases – MySQL, MongoDB

CERTIFICATIONS & ACHIEVEMENTS

HackerRank – Problem Solving (Intermediate) | **Coursera** – Crash Couse on Python
Coursera – Using python ML in supervised Learning