Sk Md Mobinul Islam
Software Engineer

Versatile Full-Stack Engineer with expertise in **web development**, **blockchain** and **AI**. Proven track record in building scalable, high-performance applications using modern technologies. Skilled in optimizing data extraction, enhancing user experiences, and ensuring reliable cloud infrastructure.

Contact

Phone
9064980794

Email
skmdmobinulislam@gmail.com

Address
Bankura, West Bengal, India.

Skills

- Problem Solving
- AI Prompting
- NestJs
- TypeScript
- Python
- Pandas
- ExpressJs
- NodeJS
- Prisma
- Docker
- TypeORM
- Web3Js
- ReactJs
- NextJs
- GIt & GitHub
- Golang
- Gin
- Swagger
- SQL

Profiles

Education

2019 - 2023
B.Tech CSE
Sister Nivedita University
CGPA: 8.48

Experience

Jul 2023 - Present
Vara Infrovate Pvt Ltd | Kolkata
JUNIOR ASSOCIATE DEVELOPER

Software Engineer:
- Actively contributed to Blockchain team as a full-stack engineer.
- Developed backends using **NestJS** and **Gin**, cutting response times by 20%.
- Built dynamic frontends with **Next.js** and **React.js**, improving load times by 25%.
- Integrated **LiveKit** for **video KYC** and **WebSocket** for **real-time chat,** enhancing customer verification and onboarding efficiency.
- Designed **database models** and **APIs**, increasing data throughput by 25% and improving scalability.
- Built scalable backends with **Prisma** and **Swagger**, improving API performance by 15% and cutting development time by 20%.
- Dockerized, deployed and maintained applications on **AWS instance**, ensuring 99.95% availability .

AI Engineer:
- Spearheaded the transformation of large text blocks into structured tabular data, optimizing extraction workflows.
- Integrated **NER** and **OCR** models to streamline **data extraction**, enhancing accuracy and efficiency.
- Leveraged **PaddlePaddle** for precise **OCR** and **SpaCy** for **NER**, creating a seamless data processing pipeline.
- Elevated outcomes by refining a custom **NER** model, empowering efficient extraction of specific, mission-critical information.

Personal Projects

WHATSAPP CHAT ANALYZER | Link
- Engineered a comprehensive WhatsApp chat analysis tool, featuring insightful visualizations like Bar Charts, Line Charts, Heat Maps, and Word Clouds.
- Developed algorithms to extract key data points including "Busiest User" and "Activity Hour", enhancing understanding of chat dynamics.
- Implemented robust metrics such as "Total Messages" and "Media shared" to provide concise yet comprehensive insights into chat content and engagement patterns.

DYNAMIC TO-DO LIST | Link
- Engineered a versatile to-do list for both daily goals and custom tasks, powered by Express, EJS, and MongoDB deployed on Cyclic for universal access.
- Strengthened security and privacy with JWT token-based authentication and user validation, ensuring data integrity.

NOTECCESS- A GOOGLE KEEP ALTERNATIVE | Link
- Crafted a visually appealing "Google Keep" alternative with essential functionalities.
- Seamlessly add and delete notes, all securely stored in a dynamic database. Redefined note-taking with a modern interface for effortless organization.