

Akash Sunar

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TECHNICAL SKILLS

Proficient JavaScript, Typescript, Node.js, Express, React, Redux, PostgreSQL, HTML, Next.js, Nest.js, Zustand, Prisma, Supabase, Docker, Git, Stripe

Knowledgeable Python, C/C++, MongoDB, Blockchain, Solidity, Numpy, Panda, Matplotlib, Data Science,

PROFESSIONAL EXPERIENCE

TEJ Bootcamp, Jun 2023 – Feb 2024

- Successfully finished the FullStack Open Course designed by University of Helsinki
- Engaged in collaborative development with fellow students for an ecommerce project using GitHub projects
- Proficiently used Cypress and Jest for both unit and integrated testing frameworks

Software Engineer, Feb 2024-Present

▪ Plastic Bank

Developed and maintained **user-facing interfaces** for the Plastic Bank platform using modern frontend technologies, Built responsive and accessible UI components to ensure a seamless experience across devices, Implemented state management and optimized performance for handling dynamic data. (<https://plasticbank.com/>)

▪ MEF LSO Partners

An international initiative focused on automating network services through standardized APIs, Designed and developed **end-to-end features** across both frontend and backend systems, Worked with **MEF LSO (Lifecycle Service Orchestration) standards** to ensure interoperability across global telecom networks. (<https://client.stage.lso.rumsan.net/auth/login/>)

▪ Rumsan's Finance Project

Contributed as a **Backend Developer** in Rumsan's Finance Project, building scalable and secure financial systems, Designed and optimized **database schemas** to ensure efficient data storage, integrity, and performance, **System and architectural design**, creating robust and scalable backend structures, Developed and maintained **backend services and RESTful APIs** for core financial functionalities, Implemented business logic to support **financial workflows and transactions**.

▪ MEF QnA

Contributed as a **Full-Stack Developer** in MEF QnA, an AI-driven platform for building and querying vectorized data ,
Developed features to **scrape websites and process uploaded files** for generating vector embeddings ,
Implemented functionality to **train and retrain AI models**, improving response accuracy over time ,
Built interactive **chatbot interfaces** for querying vectorized data and handling Upoaded Documents-related queries ,
Designed and developed **RESTful APIs and backend services** to support data processing and AI workflows.
(<https://mefqna.dev.rumsan.net/auth/login>)

▪ Chatty AI

Contributed to the development of an **AI-powered chatbot** enabling website scraping, file uploads, data vectorization, and model training/retraining for improved response accuracy ,
Designed and implemented the **MCP server and tools architecture**, defining relationships with workspaces, including **workspace-level tool listing** and **dynamic enable/disable functionality** ,
Built features for **querying vectorized and organization-specific (bank) data** through a configurable chatbot interface ,
Developed and integrated **frontend and backend systems** to provide a seamless and interactive user experience
(<https://chatty.rumsan.us/auth/login>)

▪ AA (Anticipatory Action)

An open-source, blockchain-powered platform that enables aid agencies to deliver proactive assistance before disasters strike in the form of cash or in-kind ,
Implemented **dynamic phases** functionality, allowing the system to **adapt workflows and UI components** based on disaster types and thresholds ,
Developing **responsive and interactive frontend interfaces** to visualize disaster alerts, Token Disbursement,aid distribution, and Beneficiary distribution(<https://aa-dev.rahata.io/>)

EDUCATION

TEJ Bootcamp Immersive 9 month full-time full-stack Software Engineering Bootcamp
Paschimanchal Campus IOE Pokhara Bachelor in Electronics, Communication and Information Engineering
(Nov 2018 - Apr 2024)

Achievement and Awards

Selected for TEJ Traineeship among top competitors - Jun 2023
Shree Bhriuraj Scholarship Award - May 2022
Winner Of "Battle For Speed" competition - Jun 2019

Trainings/Certifications

UI/UX Training ,RPA Academy,Oct 2022

Full Stack Open 2023 | University of Helsinki

3 month Blockchain Fellowship conducted by eSatya ,Apr 2024

Researches and Publications

- **Electronic Health Record Management System using RFID: Improving Efficiency and Accuracy in Healthcare**[\(view\)](#)
- **Trek Monitoring System: Enhancing Safety and Adventure in the Outdoors using Arduino UNO and NodeMCU**[\(view\)](#)