

Sushil Pandey

Software Engineer, Undergrad

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Work Experience

Myraa Technologies

Oct 2023 – Jan 2024

Full Stack Developer (Internship)

- Developed and deployed an AI-driven healthcare platform, "FlocHealth", on **AWS EC2**. Used Neo4J for data management, achieving **95% transcription accuracy** and serving a **user base of 10,000**.
- Built the backend with **Tornado** to support AI-powered disease prediction and insurance policy recommendations based on users' health data and preferences.

Projects

NyxAPI: Instant Mock APIs | React, Python, FastAPI

[Project Link](#)

- Enables rapid mock API creation with **Faker.js** for realistic data simulation, allowing frontend teams to achieve **60% faster development** without backend dependencies.
- Incorporates **WebSocket-based real-time collaboration** and **PostgreSQL** for data persistence, enhancing team efficiency and reducing integration delays by **up to 40%**.

KOROSUKE: Intelligent Doc Interaction and Retrieval Using RAG | React, Python, FastAPI

[Project Link](#)

- KOROSUKE** utilizes **Retrieval-Augmented Generation (RAG)** with the **LLaMA 3 model** to enable users to upload and interact with various document formats, transforming them into dynamic chat interfaces for instant information retrieval.
- This innovative approach reduces the time spent searching through extensive documents by **70%**, streamlining workflows across diverse sectors such as finance, healthcare, and legal.

SKOOP: Community Platform for Journalists | React, Solidity, Blockchain

[Project Link](#)

- SKOOP** is a decentralized Web3 platform built on the **Ethereum blockchain** with **Solidity** smart contracts, enabling independent journalists to create, govern, and monetize their communities securely.
- With a user-friendly interface in **ReactJS** and **Tailwind CSS**, SKOOP fosters transparent, trustless interactions between content creators and their audiences, empowering secure journalism.

IHHPlayer: Instant Music Player with Youtube Integration | React, Express, FastAPI

[Project Link](#)

- IHHPlayer** is a full-stack music streaming app providing low-latency playback, built on **React.js** and **Zustand**, with a robust backend using **Express.js**, **FastAPI**, and **PostgreSQL**, deployed on **AWS EC2** for high availability.

Fascia Analytics Dashboard | React, Express, FastAPI

[Project Link](#)

- Developed a dynamic **analytics dashboard** using the **MERN stack**, featuring **Redux** for state management, **Material UI** for the frontend, and **Nivo Charts** for data visualization.

Technical Skills

Programming Languages	C, C++, Typescript, Python, Javascript, Go, SQL, Bash
Development Skills	NextJs, React, FastAPI, PostgreSQL, MongoDB, Git
Data Processing	Pandas, NumPy, Beautiful Soup
DevOps	Docker, NGINX, GitHub Actions, CI/CD
Cloud	AWS, Google Cloud, Digital Ocean

Education

SRM University, Andhra Pradesh

Sep 2022 - Jul 2026

B.Tech in Computer Science and Engineering with Specialization in Big Data

CGPA: 8.7/10.0

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, OS System Architecture Design, Networking, Database Management

LEADERSHIP / EXTRACURRICULAR

- Promoted to Member of Next Tech Lab** within 6 months for key contributions to product development and innovative solutions.
- Co-lead and founding member of Google Developers Group (GDG)** on campus, fostering a developer community and organizing tech events.
- Freelanced part-time** since **Class 11**, completing over **25 projects** across diverse domains while working with and leading multiple teams.
- Hackathon finalist and runner-up** at **HackSRM 4.0**, with participation in **HackSRM 5.0**, **Defy 24**, **Flipkart Grid**, **Agoda Codathon**, and **Walmart Sparkathon**.
- Organized an **internal hackathon for SIH**, engaging **300+ students** and recommending **20 teams** for the national event.