

Tanmay Agrawal

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EDUCATION

SRM Institute of Science and Technology
Bachelor of Technology in Computer Science Engineering

GPA: 9.02
Sep. 2022 – May 2026

EXPERIENCE

Software Engineer Intern
Emendo.AI

Mar. 2024 – Present
Remote, USA

- Collaborated and maintained a cross-platform mobile app (**React Native Expo**) and company website (**Next.js**), ensuring feature parity and consistent performance.
- Architected and developed **30+ reusable UI components** using **React Native**, **TypeScript**, and **NativeWind**, improving code maintainability and accelerating feature development.
- Created and maintained **100+ Maestro tests**, helping improve application quality by reducing bugs and ensuring reliable, consistent product performance.

Samsung Prism R&D Intern
Samsung R&D Institute India

Feb. 2024 – Sep. 2024
Remote, India

- Facilitated **10+ collaborative ideation sessions** to investigate and prototype **35+ research-based concepts**, advancing Samsung's AI/ML-driven consumer tech initiatives.
- Spearheaded end-to-end development of an **MVP with machine learning features**, including integration, testing, and deployment using **Python** and **TensorFlow**.

PROJECTS

CourseGPT | *NextJs, TailwindCSS, Hono, Gemini 2.0, Vercel*

- Engineered a platform using **Gemini 2.0** to **auto-generate modular courses** (lessons, quizzes, labs) and **detailed lesson content** from user prompts, enabling **single-click curriculum generation**.
- Architected a scalable Next.js/TailwindCSS frontend with Hono backend, deployed on Vercel, ensuring **seamless content delivery and real-time user interaction**.

Educative.AI | *Python, FastApi, React.Js, TailwindCSS, LLMs, Tensorflow*

- A student aiding and notes organizing application that seamlessly **integrates an OCR model and 10+ fine-tuned open-source LLMs**, designed to assist with notes alongside blackboard pictures.
- Designed and Developed a responsive **React/TailwindCSS** dashboard integrated with a **FastAPI backend**, featuring 3 modules (note management, OCR processing, LLM-driven Q&A) to streamline student workflows.

One Med | *React.Js, React Native, Python, FastAPI, PostgreSQL, LLMs, Tensorflow*

- Electronic Health Repository (EHR) platform **integrating AI and mobile applications** to enhance healthcare management and patient care, **recognised as a top 10 project at MozoHack 2024**.
- Key features including a React Native mobile application for **syncing emergency medical conditions**, a hospital dashboard for **efficient information management**, and AI technologies for **automating medical record summarization and consultation transcription**.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, Swift

Frameworks: React, NextJs, React Native, Sveltekit, Hono

Database & ORM: MySQL, PostgreSQL, Prisma, MongoDB, Redis

Cloud & Devops: AWS, Google Cloud, Vercel, Supabase, Firebase, Docker, CI/CD

Others: ServiceNow, Microservices, Serverless, Sanity.io, Sentry, Axiom

CERTIFICATIONS

Certified System Administrator
ServiceNow

Issued on: November 04, 2024
Certification number: 25721448