

Rajat Sandeep Sen

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Introduction

Self-taught Full Stack Developer with 3 years of experience gained through open-source contributions in campus chapters, clubs, and societies.

Proficient in building Full Stack Applications with adaptability across various frameworks. Currently focusing on Generative AI technologies and DevOps practices, while actively expanding knowledge in advanced DevOps tools (such as AWS, Kubernetes, SST, OpenTofu).

Committed to continuous learning and applying modern technologies to solve real-world problems through part-time freelancing and open-source contributions as FOSS enthusiast.

Education

St Joseph's College of Engineering & Technology, Palai, Btech in Artificial Intelligence & Data Science Nov 2021 – June 2025

- CGPA: 8.11
- **Coursework:** Artificial Intelligence, Computer Network, OOPs, DSA, Machine Learning, Deep Learning, NLP

Experience

Cheif Technical Officer, IEDC – Startup Bootcamp, SJCET Palai Jun 2022 – Present

- Promoted to CTO from technical officer in 2024 for leading the tech team
- Created & maintained IEDC website at 2022
- Volunteered in organizing IEDC Summit 2022
- Actively engaged in organizing hackathons, workshops and tech talks for promoting entrepreneurship at campus

Frontend Developer Intern, Gtech-Mulearn – TechnoPark, Thrivandrum July 2023 – Dec 2023

- Maintain websites as Remote frontend intern for Mulearn, a edu-tech community in India
- 6 months experience with Reactjs (TypeScript) and Django (Python)
- Rewrote the UI components with better abstraction and reusability

TensorFlow Lead, Google Students Developer Club – SJCET Palai Sep 2022 – Jul 2024

- Promoted to TensorFlow Lead in GSDC in 2024
- Conducted workshops on TensorFlow, Firebase, Google Cloud Platform
- Created & maintained GDSC website at 2022 & 2023

Co-Technical Lead, UiPath Academic Alliance Student – SJCET Palai Feb 2023 – Dec 2023

- Joined as Co-Technical lead in 2023 and taught RPA tools
- Traveled around kerala and conducted many workshops on UI Path tools

Web Developer, IEEE – SJCET, Palai June 2022 – June 2023

- Developed and maintained IEEE website and organized many events
- Volunteered in IEEE Kochi Hub event 2022

Projects

Asthra - Tech Fest Website asthra.sjcetpalai.ac.in

- Developed a robotic 3D interactive website for the national level technical fest, with dashboard for event management, registration and ticketing.
- Tech Stack: Nextjs, Supabase, TailwindCSS, ThreeJS, Framer Motion, tRPC

LuttAPI - Open source alternative to v0

luttapi.vercel.app

- Developed a SaaS for instantly generating & deploying frontend UI with API endpoints or JSON
- Tech Stack: Nextjs, AI-SDK, Redis (Upstash), TailwindCSS, Framer Motion, tRPC, Github Actions, Anthropic Claude

FileSphere.AI - Drive

nexus-sjcet/filesphere.ai

- At a hackathon, developed an Action Model AI file management system that can categorize, search, and manage files based on user request by itself
- Tech Stack: Nextjs, LangChain, GO, tRPC, Llama3

Initiative - LangChain Extension

npmjs/initiative

- Developed and published library on NPM that turns Large Languages Models into Action Models for sequential function calling tool chain
- Tech Stack: LangChain, Zod, TypeScript

MindEase - LAM

nexus-sjcet/mindease

- Developed at Hackathon, a personal whatsapp bot with Action Model AI that can perform health care assistances
- Tech Stack: Python, LangChain, Prisma, FastAPI, Mistral AI

MultiMedia Commenting Extension

nexus-sjcet/voice-it

- Developed at Hackathon, a vscode extension that allows multi-media commenting (img, voice, gif etc) inside any code file
- Tech Stack: TypeScript, Vscod API

Scriptw - REPL Notebook for Javascript

rajatsandeepsen/scriptw

- Developed in-browser Jupyter Notebook alternative for Javascript
- Tech Stack: JavaScript, CodeMirror, Nextjs, Prisma

Transaction

rajatsandeepsen/transactions

- Developed hands free banking app that can be controlled using Voice as Engineering Mini-Project
- Tech Stack: Nextjs, LangChain, Supabase, tRPC, Llama3, DrizzleORM, Zod

Magic-UI CLI

magicui.design

- Developed a registry & CLI for open source project MagicUI (library for Design Engineers)
- Tech Stack: Nextjs, Zod, Commander, TypeScript, TailwindCSS, Framer-Motion

Additional Achievements And Awards

Satwa National Level Hackathon (2024): Secured First Runner-Up by building Action Model AI for health care assistance

Beyond-the-Loop Hackathon (2024): Secured First place by building Drive.AI, a Google Drive file system with AI capabilities

Technologies

Languages: TypeScript, Python, SQL, C++ , Java, JavaScript, HTML, CSS

Frameworks and Libraries: Nextjs (Reactjs), Expo (React-Native), TensorFlow, Expressjs, TailwindCSS, DrizzleORM, Prisma, Next-Auth, tRPC

Softwares: Docker, PostgreSQL, Nodejs, Redis, Kubernetes, UI Path

Developer Tools: Vscode, Git, Github, Figma, Hoppschotch, Ollama, WSL