

SWASTIK PATEL

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Education

Jaypee Institute of Information Technology

August, 2021 – May, 2026

Integrated Master's of Technology in Computer Science

Noida, (U.P)

- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Architecture, Database Management Systems, Blockchain Technology, Cyber Security, Digital Forensics

Experience

European Summer of Code'25 Mentee @Prefix-dev | [Link](#)

June, 2025 – August, 2025

Summer Intern

Berlin, Remote

- Enhancing the next-gen, cross-platform, language-agnostic package manager - **Pixi** (written in Rust).
- Collaborated with international development team through Git workflow and code reviews to deliver critical CLI features, gaining expertise in Rust programming, package management systems, and cross-platform development.
- Implemented comprehensive unit tests and documentation for new features, achieving 95% code coverage and improving maintainability.

Season of KDE'25 Mentee | [Link](#)

January, 2025 – April, 2025

Open-Source Software Developer

Berlin, Remote

- Contributed to **KDE's** start of the art video editing platform, **Kdenlive**.
- Introduced the transition previews feature in Kdenlive, so that editors don't have to hit and try each transition manually, reducing editor workflow time by 40% and enhancing user experience for 100K+ active users.
- Engaged into a lot of industry level C++ code during this duration. Learnt about Qt Framework, MLT-based preview generation, python scripting, and most importantly Open Source. My [blog](#) can be found here.

Kraftbase | [Link](#)

June, 2024 – August, 2024

Front End Developer Intern

Vadodara, Remote

- Engineered the front-end of many SaaS platforms, assisted in optimizing API integration, streamlining data flow between front-end and back-end systems.
- Leveraged GSAP, framer-motion and no-code tools to create complex and visually striking animations on the front-end.

Spacenos | [Link](#)

February, 2024 – June, 2024

Full Stack Developer Intern

Bangalore, Remote

- Designed and launched a SaaS platform from scratch, using Google Firebase for back-end functionalities and cloud functions, optimizing server costs by 40%, attracting over 1,000 monthly visitors.
- Enhanced an event-organizing website's SEO score by 35% through implementing sitemaps and metadata.

Projects

AIcademics | [Next.js](#), [GPT-3.5 API](#), [Langchain](#), [RAG](#), [FireCrawl](#), [Youtube API](#), [SQL](#), [Prisma](#) | [Link](#) November, 2024

- Engineered an innovative AI-powered all-in-one learning platform generating custom curriculums and quizzes across numerous topics, saving the content like blogs, articles, videos from the web for you, as a Second Brain.
- Leveraged GPT-3.5 Turbo along with the power of Langchain to produce comprehensive course outlines and quizzes, integrated YouTube Data API to curate relevant educational videos and extract transcripts for challenging quiz generation.
- Treat it as your second brain, where data from across the web can be dumped, and later can be searched via natural language, achieved via using FireCrawl to scrape the content from the web, and serve it in markdown format for RAG.

Devotional-B | [Next.js](#), [Firebase](#), [Cloud Functions](#), [Algolia Search](#) | [Link](#)

April, 2024

- Developed a Q&A and community platform, significantly expanding the active user base within the first month.
- Integrated Firebase cloud functions for a robust voting system, Algolia search for enhancing content discovery by 80% and overall user satisfaction. substantially increasing user engagement and interactions.

Technical Skills

Languages: C++, Rust, Javascript, Typescript

Developer Tools: Linux, Neovim, Docker, Git, Github, Spline 3D, Framer, Figma

Technologies/Frameworks: Next.js, Tailwindcss, Node.js, SQL, MongoDB, Firebase, Prisma, REST APIs, Web Scraping

Blockchain: Truffle, Hardhat, Solidity, Ganache, Chainlink