

Sanidhya Mehra

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Education

SKIT, Jaipur

Sept 2023 – May 2027

B.Tech in Computer Science

- GPA: 8.25

St. Anselm's School, Abu Road

March 2021 – 2023

- Class 12th: 70.76%
- Class 10th: 74.63%

Technologies

Languages: C++, C, Python, JavaScript

Frontend: HTML, CSS, Tailwind, Bootstrap, React, Next.js

Backend & Databases: Node.js, Express.js, MongoDB, MySQL, GraphQL, PHP, REST APIs

Cloud/DevOps: AWS (EC2), Docker, Docker Hub, Azure

Experience

Backend Developer — Fulminious Software

PlaySpinWin Backend

- Constructed a NoSQL database using MongoDB to store and manage game data for the PlaySpinWin platform; this ensured seamless data access for 10+ microservices.
- Pioneered the integration of Redis and BullMQ to refine background job processing, cutting down the servers required to run the application by **30%** and lowering costs.
- Pioneered cloud-based CI/CD pipelines with GitHub Actions, automating build, test, and deployment processes; reduced deployment time by **25%** and accelerated feature release cycles.

CSV Analyzer (VS Code Extension)

CSV Analyzer

- Engineered a Streamlit and FastAPI-based CSV analysis tool featuring automated visualization and AI dataset preparation, accelerating data exploration for 3+ key projects and improving accuracy by **10%**.
- Published on VS Code Marketplace with 300+ downloads.

Software Development Engineer – Financial Port

financialport.com

- Developed a portfolio management system with real-time stock and SIP tracking.

Projects

SNT-Club

snt-club.vercel.app

- Built a scalable backend for 600+ users and an interactive collaboration platform.
- Orchestrated the deployment of a microservices architecture using Next.js, MongoDB, and Docker, decreasing API latency by 150ms and improving application uptime to **99.95%** while reducing infrastructure costs.

SKIT Faculty Portal

SKIT

- Designed a centralized faculty management system used by 120+ educators.
- Tech Stack: HTML, JS, Bootstrap, PHP.

Rent Management System

rentalog.vercel.app

- Created a property listing and rent management web app.
- Developed RESTful APIs using Express.js and MongoDB, decreasing database query latency by 12ms and improving overall application response time by **18%** for financial port application.

Software Engineer Intern – TRAK-TWIN

traktwin.in

- Engineered comprehensive documentation for newly designed API specifications, directly improving team onboarding efficiency and reducing time spent on training new team members by 25

Courses and Certificates

- Red Hat Linux Foundation (2025)
- Databricks Fundamentals and Lakehouse (2025)
- Databricks Generative-AI Fundamentals (2025)
- Google Cloud Generative AI (2025)
- Advanced C++ (2024)
- MERN-Stack (2024)