

SHAKTI SATPATHY

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EDUCATION

NIT Jalandhar

Electronics and Instrumentation - CGPA - 7.5

December 2021 – July 2025

Jalandhar, India

WORK EXPERIENCE

Flipkart

January 2025 – Ongoing

Intern

Bengaluru, Karnataka

- Built internal tools using **Python (Flask)** and **Google Sheets API** to automate reporting workflows for **10+** business teams.
- Processed and transformed datasets (**1M+** rows) using **Pandas** and **SQL**, enabling pivot generation and schema validation.
- Followed **LLD** and **OOP** principles to build robust, modular **REST APIs** and used **Git** for production-ready deployments and debugging flows across teams.

Flip Robo


June 2024 – August 2024

Intern

Noida, Delhi

- Engineered backend services using **Node.js**, **Express**, and **MongoDB** to support **1K+** users with features like live/pre-recorded classes, fee processing, and instructor tools.
- Optimized API performance by **40%** through efficient routing and queries, while overseeing the full feature lifecycle from debugging to deployment reducing post-launch bugs by **60%**.

PROJECTS

SyntaxSprint  | [Node.js](#), [Express.js](#), [React.js](#), [MongoDB](#), [Bull](#), [Redis](#)

May 2024 – June 2024

- Architected a code compiler with a scalable **Node.js** backend, executing system-level commands and managing code/job data using **MongoDB**, **Redis**, and **Bull** for concurrent task processing and high system resilience.
- Developed a responsive **React.js** frontend with real-time feedback via **long polling**(Axios + setInterval), enabling multi-language code execution, status updates, and smooth frontend-backend synchronization.

FutNerd  | [Java](#), [Spring Boot](#), [PostgreSQL](#), [REST API](#)

January 2025 – February 2025

- Designed and implemented a **Spring Boot** RESTful API to manage statistics for 700+ Premier League players, enabling **filtering** by team, nation, name, and position for flexible and efficient data retrieval.
- Streamlined **CRUD** operations with a **PostgreSQL** backend, utilizing modular service layers, controller abstractions, and **MVC** architecture to ensure a **scalable** and maintainable backend system..

TECHNICAL SKILLS

- **Languages:** C , C++ , JavaScript (ES6+), SQL , Java , Python
- **Technologies and Frameworks:** React.js, Node.js, Express.js, Spring Boot, Flask, MongoDB (NoSQL), PostgreSQL, REST APIs, Axios, HTML5, CSS3
- **Developer Tools Backend Concepts:** Git, GitHub, VS Code, Postman, Pandas, Low Level Design , MVC Architecture, JPA/Hibernate, API Design, Backend Integration, Operating System Concepts, Data Structures Algorithms, DBMS (MySQL), OOP, Computer Networks, Agile Methodologies, SOLID Principles

SCHOLASTIC ACHIEVEMENTS

- Solved **1400+** questions on coding platforms and Achieved the badge of **Knight(1982)** on Leetcode.
- Secured **2nd** position in Hack-Odisha Hackathon, competing against 400+ teams.
- Secured **3rd** position in Inter NIT Coding Competition organised by Coding Ninjas.
- Awarded **NTSE and KVPY Scholar** recognition for academic excellence.

EXTRACURRICULARS

- Represented LogicMojo as a campus ambassador.
- Led the inter-school football team as captain.