Shivam Yadav

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EDUCATION

I K Gujral Punjab Technical University Kapurthala, Punjab
Bachelor of Technology, Computer Science and Engineering *Aug. 2022 – May 2026*

S D P Senior Secondary School Ludhiana, Punjab
Senior Secondary *April. 2019 – March 2020*

EXPERIENCE

Full Stack Web Development Trainee June 2024 – July 2024
HopingMinds *Chandigarh, Punjab*
- Completed a sponsored full-stack web development training program focused on practical MERN stack projects.
- Developed a basic e-commerce application (**ElectroHub**) featuring user authentication (JWT), Add-to-Cart functionality, and category-based filtering.
- Created a mock JSON API with 30+ products for frontend integration and testing.
- Built RESTful APIs using Node.js, Express.js, and MongoDB for secure authentication and data storage.

PROJECTS

Financial Advisory System | LIVE — GITHUB Feb 2025 – March 2025
Tech-stack: **Python**, **Flask**, **React**, **Mongodb**, **Node.js**, **Docker**

- Developed a **full-stack financial advisory** web application integrating **Node.js** backend, **Flask REST API**, and **React**-based frontend.
- Implemented **JWT-based authentication** for **secure** user **access** and **session management**.
- Applied **Crypto**, **Helmet**, and **Bcrypt** for **secure password encryption** and **data protection.**
- **Containerized Flask** and **Node.js** services using **Docker** for efficient **deployment** and **scalability**.

ElectroHub: E-commerce | LIVE — GITHUB July 2024 – Aug 2024
Tech-Stack: **React**, **Css**,**React-Redux Nodejs**, **Mongodb**

- Developed a responsive **e-commerce** web app with **category-based filters** to enhance product **search** and user experience.
- Implemented frontend **authentication** using **Node.js** and **MongoDB.**
- Added **Add-to-Cart** functionality using **React** and **Redux** for **dynamic state management**.
- Created a **custom JSON-based** API on the frontend with **30+ mock products** to simulate backend data.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL,Mongodb, JavaScript, HTML/CSS,
Frameworks: React, Node.js, Flask
Developer Tools: Git, Docker,VS Code,Postman, Visual Studio
Libraries: pandas, NumPy, Matplotlib

CERTIFICATIONS

Full Stack Development Hoping Minds, Mohali
*Covered **MERN stack**, **REST API**, project building* *June 2024-July 2024*

Achievements

Hackathon & Real-World Problem Solving : Participated in **three** major **hackathons**, including two inter-college events and the **Punjab & Sind Bank SAFE (2025 Series)**. Developed and deployed real-world web solutions using modern technologies.

Algorithmic Proficiency (DSA) : Solved over **100+** Data Structures and Algorithms (DSA) problems on LeetCode, demonstrating strong problem-solving ability and a solid foundation in core computer science principles.

Collaborative Project Mentorship : Provided **hands-on technical support** to **4–5** peers, assisting in **debugging**, **testing**, and **deploying** academic and personal web projects to ensure clean and functional outcomes.