

Harshit Sethi

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | [LeetCode](#) | sethiharshitfzr@gmail.com | [+91-7696446000](tel:+917696446000)

Education

•Thapar Institute of Engineering and Technology

B.E. in Electronics and Computer Engineering

2021 - 2025

CGPA: 7.92

Professional Experience

• Intello Tech | Back End Developer Intern

June 2024 - July 2024

- Collaborated with a cross-functional team to build a web application, **boosting development speed by 20%**.
- Designed and optimized backend using Express.js, **cutting load times by 15%**.
- Managed and configured an Ubuntu EC2 server on AWS, **reducing downtime by 10%**.

• Firozpur Foundation NGO | Core Member

April 2020 - Present

- Developed a comprehensive software system to maintain records of all transactions and automate transaction slips.
- **Distributed 500 hand sanitizers and 1,000 meals daily** to those in need during the COVID-19 pandemic.
- **Organized and managed 20+ events**, ensuring effective distribution of resources to over 5,000 beneficiaries.
- Managed the recruitment, training, and scheduling of 100+ volunteers, **increasing operational efficiency by 30%**.

Personal Projects

• Rey's Shoes | React.js, Express.js, MongoDB, Nodemailer, Node-cron, JWT, Stripe

[Demo](#) | [GitHub](#)

- Developed Rey's Shoes, a robust e-commerce platform **tested by over 50+ users**.
- Features include user-friendly browsing, OAuth 2.0 authentication for secure logins, Nodemailer for automated emails, JWT for session management, and Stripe integration for payments.
- **Enhanced operational efficiency by 25%** with an admin role system for managing users, products, and orders.
- Leveraged MongoDB to handle over 10,000 products and Express.js to support 1,000+ concurrent users for high performance and scalability.

• Rey Talks | React.js, Socket.IO, WebRTC, Firebase, and Express.js, Node.js

[Demo](#) | [GitHub](#)

- Developed Rey Talks, a real-time communication app with **over 25+ active users**.
- **Implemented features** such as real-time text and voice messaging, expressive emojis, picture sharing, status updates, voice calls, video calls, and user blocking.
- Utilized Firebase Authentication, Firestore, and Storage, handling multimedia and ensuring secure user authentication.
- Integrated Zustand for managing states, Socket.IO for signalling, and WebRTC for voice and video calling.

• Credit Card Fraud Detection | Pandas, Numpy, Seaborn, Scikit-learn, CNN

[Demo](#) | [GitHub](#)

- Utilized Python3 and various data analysis libraries for data processing and visualization.
- CNN and AutoEncoder were used in the development of deep learning models to identify fraudulent transactions.
- Demonstrated the superiority of deep learning techniques over conventional anomaly detection techniques on a highly imbalanced dataset.

Key Skills

- **Programming Languages:** Java, C++, JavaScript, Node.js, HTML5, CSS3, Python
- **Frameworks/Libraries:** React.js, Express.js, Socket.IO, WebRTC, Firebase, Zustand, MaterialUI, Tailwindcss, EJS, Pandas, Numpy, Matplotlib, Seaborn, CNN, Scikit-learn
- **Databases:** MongoDB (mongoose), Firestore
- **Tools/Platforms:** Git/GitHub, Netlify, Vercel, Render, Postman
- **Technical Skills:** Full-Stack Development, Real-Time Communication, RESTful API, Authentication and Authorization, Anomaly Detection, Deep Learning, Machine Learning, Data Visualization
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems

Achievements And Extra-Curricular

- Solved **400+ DSA questions**, enhancing problem-solving skills and algorithmic thinking. [GitHub](#)
- Secured **90% score** at Data Structures and Algorithms at Coding Ninjas platform. [Certificate](#)
- Secured **4th Position** at Paul Morphy Chess Championship, demonstrating problem-solving skills. [Certificate](#)
- Achieved **4/5 points** at State Chess Championship, showcasing strategic thinking. [Certificate](#)