VISHAV SINGLA

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Education

Thapar Institute of Engineering and Technology (TIET)	Patiala, Punjab
BE in Electronics and Computer | CGPA: 8.68 (Upto 5th semester)	*2021 – 2025*
The Millennium School (CBSE)	Patiala, Punjab
Class 12 | Percentage: 89%	*2020 - 2021*
Kaintal School (ICSE)	Patiala, Punjab
Class 10 | Percentage: 95.4%	*2018 - 2019*

Projects

ANTI CORRUPTO | Anti Corruption Platform — **Jan '24 - Present**

- Developed a decentralized automated challan system with mobile app and website for traffic and speeding violations
- Implemented a blockchain-based land registry platform with ML model for fraud detection, tax evasion prevention
- Designed a transparent blockchain ledger government tenders, fund allocation, and reporting of corruption
- **Tech Stack**: React.js, React Native, Node.js, Postgress, Express.js, Docker, Solidity, Ether.js, OpenCV, ML models

DISTRACTED DRIVER DETECTION | Deep Learning Model — **Jun '23 - Aug '23**

- Developed deep learning models to analyze dashboard camera images and classify driver behavior into safe driving or various forms of distraction like texting, talking on the phone leveraging techniques like batch normalization
- **Tech Stack**: Tensorflow, Keras, CNN, Batch Normalisation, Dropout

HUDDLE | Social Media Website — **Apr '23 - May '23**

- Implemented user profiles, news feed, real-time messaging, and personalized content features
- Integrated chat, group chat, voice call, and video call features using websockets and WebRTC
- **Tech Stack**: Next.js, Node.js, Express.js, Redux.js, Postgres, TailwindCSS, Socket.io, WebRTC, Typescript

SIGHTINN | Hotel Booking App — **Jun '23 - Aug '23**

- Enhanced the application with advanced search, map integration, wishlist, and notifications
- Developed user pages for managing bookings and an admin panel for hotel management
- **Tech Stack**: React.js, Node.js, Express.js, Redux, TailwindCSS, Stripe

Technical Skills

Programming Languages: Java, Python, Javascript, Typescript, Solidity, Assembly language
Frameworks: React.js, Next.js, Node.js, Express.js, Nest.js TailwindCSS, State Management: Redux
Data Science and ML: Selenium, Regression, Tensorflow, OpenCV
Blockchain: Solidity, Ethereum, Hardhat, Ether.js Remix, IPFS: Pinata, Oracle: Chainlink, ERC-721
Databases: MongoDB, SQL, NoSQL, Prisma, Postgress, MySQL
Other Skills: Git, Github, Linux, AWS, Docker, Object-oriented programming

Achievements

- Selected for **Google Summer of Code 2024** to develop a Chrome extension for **AOSSIE** to promote safe and productive internet browsing
- **Solved 700+** Coding Questions Across Multiple Platforms.
- **Ranked 204th** out of approximately 9,400 college students in GeeksForGeeks practice.
- Led team to win **1st place** at IIC TIET's **Project to Product Journey** competition with an innovative and commercially viable Capstone idea
- Collaborated with a team of **3-4 peers** to create real-world solutions during multiple intense hackathons.

Certificates and Coursework

- Python Programming
- Data Structures
- Full Stack Web Development
- Data Science & Machine Learning
- Object Oriented Programming
- Operating Systems
- Database Management Systems
- Computer Networks
- Computer Architecture