

Shreyash Dubey

4th Year Integrated MTech, Vellore Institute of Technology

askshreyash@gmail.com | +91 9619033713 | [LinkedIn/in/shreyash-dubey](#) | [Github/ishre](#) | Mumbai, India

Passionate engineer and strategic problem solver, driving innovation and maximizing profitability. Committed to empowering startups through collaboration, adaptability, and visionary leadership.

EDUCATION

Vellore Institute of Technology **Bhopal, INDIA**

Integrated MTech CSE (CyberSecurity & Digital Forensics)

Sep 2021 - Nov 2026 (current)

CGPA: 8.03/10

Notable Courses

- Design and Analysis of Algorithms
- Operating System
- Network & System Security
- DBMS
- Project Exhibition 1 & 2 S
- Theory of Compilers
- Microcontrollers

SMT CHM College **Ulhasnagar, INDIA**

Inter - PCM + Technical Maintenance Aug 2019-Mar 2021 92.17%

PROFESSIONAL EXPERIENCE

DRDO of INDIA **Jaipur, INDIA**

Onsite Software & AI Developer (Trainee)

Sept 2024 - Dec 2024

- Developed advanced machine learning models, including RAG, for predictive policing and resource allocation.
- Implemented a data analytics dashboard using WordPress, deployed on the intranet for real-time data visualization.
- Integrated NLP techniques for unstructured data analysis, enhancing decision-making capabilities for police and army units.

IBM **Chennai, INDIA**

DevOps Intern (Z Xplore)

Oct 2022 - Dec 2022

- Optimized virtual machine sizing on IBM Cloud, reducing costs by 20% for a research project..
- Automated data pipeline deployment using IBM Cloud Automation tool, improving development speed by 30% for a product team.
- Presented findings on containerization benefits to an IBM engineering team, influencing their adoption of Docker, leading to a 15% reduction in server footprint.

ZOFF **USA**

Shopify Website Developer

Feb 2023 - Aug 2024

- Generated Rs. 2.3 Crores of sales by reducing 70% steps in checkout. Designed and developed an optimized Shopify website for minimal-click checkout.
- Implemented eCommerce strategies used by industry giants, leading to higher sales and improved order return rates.
- Revamped user experience and interface based on data from over 8000 customer surveys, resulting in a significant increase in engagement metrics such as time spent per session by 35% within three months.

PROJECTS & RESEARCH

CHACHA CHAUDHARY DIGITAL KIOSK **Dec 2023**

- A next js based web portal for the use of Namami Gange museum.
- Live chat and interaction with Chacha Chaudhary's digital twin.

- Helped develop a ML model that could generate live video based on speech for the mascot on the fly.

- Integrated LLM with vector database and 11Labs API.

BLOCKCHAIN INVENTORY MANAGER **Sep 2023**

- Blockchain based RFID inventory management system for foodgrains and logistics of perishable items.
- Developed a pocket-sized hardware product to track the movement and condition of perishable food items, monitoring weight, temperature, humidity, and vandalism.
- Submitted Research paper to Elsevier, obtained manuscript ID. Led and managed a team of 5 with different mindsets

QUICK TICKETING MODULE **Sep 2023**

- Developed a pocket-sized hardware module for automated event check-ins.
- Created an interactive dashboard for networking, Q&A, and attendance tracking.
- Reduced entry time by 90%, enhancing the participant experience. Used by 7600+ participants to date.

TheCyberDelta TEAM PROJECTS **Dec 2021**

- Engaged 100M+ users via thecyberdelta.org using Tailwind and WordPress.
- Developed a PHP/MySQL user management portal for task assignments.
- Created CTF portals for 2.5K players with Python and Next.js.
- Built a fast resume builder in TypeScript and Next.js.
- Designed a certificate generation portal for internships.

ACHIEVEMENTS

1. **Winner of Smart India Hackathon 2023**, awarded Rs. 1 lac and an internship with the Ministry of Jalshakti.
2. **Conducted an international CTF** featuring speakers from DefCon and top cyber advocates.
3. **Identified inefficiencies** in an automated price-checking tool, boosting eCommerce revenue by 5%.
4. **Implemented automated testing tools** for enhanced regression and usability testing.
5. **Five-time National Science Olympiad gold medalist** and three-time International Maths Olympiad gold medalist (2014-2019).
6. **Created a recognized mural** at Thane Railway Station, acknowledged by Indian Railways.

CERTIFICATES

Technical Skills:

- Programming Languages: Python, JavaScript, PHP
- Web Technologies: WordPress, Shopify, React, Next.js, Tailwind CSS
- DevOps Tools: Jenkins, Docker, Kubernetes, Terraform

Certifications:

- React and Redux - Complete Guide (Udemy)
- Bits & Bytes of Computer Networking (Google-Coursera)
- Agile and Scrum Master Certificate (Udacity)
- Blockchain & Its Application (Nptel)