

# Tushar Mohanpuria

Portfolio [Link](#)

B.Tech. in Computer Science Engineering

Indian Institute of Information Technology, Manipur

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[GitHub Profile](#)

[LinkedIn Profile](#)

## EXPERIENCE

### Centre for Development of Advanced Computing (C-DAC)

(05/2024 - 06/2024)

*Virtual Intern - Ethical Hacking and Penetration Testing*

Noida, India

- Completed C-DAC Training; proficient in Metasploit, Wireshark, and Burp Suite. Conducted 20+ vulnerability assessments, reducing security risks by 30%. Authored a research report on 'File Upload Vulnerabilities'.

### Trajectoryyy

(06/2024 - 07/2024)

*Full Stack Development Intern*

Banswara, India

- Engineered and maintained a Mentor-Mentee Platform, enhancing user engagement by 40% with features like registration, profile management, event scheduling, messaging, and issue tracking. Integrated Zoom API/Webrtc for seamless video calls and Stripe API for secure payment processing.

## EDUCATION

### Indian Institute of Information Technology, Manipur

(06/2025)

*B.Tech in Computer Science Engineering*

CGPA: 9.29

### Nalanda Academy Anantpura Kota (RAJ)

(06/2021)

*Central Board of Secondary Education (C.B.S.E.), Class XII*

Percentage: 86.8%

### Atomic Energy Central School No 4, Rawatbhata (RAJ)

(06/2019)

*Central Board of Secondary Education (C.B.S.E.), Class X*

Percentage: 92.2%

## PERSONAL PROJECTS

### HandWrite2Type (Project Link):

*A full-stack MERN application with Flask backend APIs, generating personalized fonts in under 15 seconds.*

- Achieved 95% accuracy in generating fonts from handwritten samples.
- Implemented document conversion with 99% accuracy, ensuring seamless PDF and Word format transitions.
- Summarized text documents with 90% precision, enhancing content accessibility.

### Library Management System (Project Link):

*A library management system (a full-stack project using MERN) accomplished a 50% increase in efficiency.*

- Introduced automatic QR code generation for book copies, reducing the process time by 50%.
- Added automatic fine collection via UPI QR codes and a notification system for due dates within 5 days.
- Developed a system for the automatic generation of E-IDs & enabled book data extraction using ISBN with 80% accuracy.

### Multilingual Dictionary (Project Link):

*A web application offering users word translations and definitions in 3-4 languages, enhancing multilingual accessibility.*

- Offered diverse interpretations in 3-4 languages, including synonyms, antonyms, and examples for a rich user experience.
- Gained 95% accuracy in displaying relevant images for user queries, highlighting strong search capabilities.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C++, HTML+CSS, JavaScript, Python

**Libraries:** React.js, Python (matplotlib, pydub, numpy, etc.)

**Technologies:** MERN Stack, Web, AI & ML

**Developer Tools:** Node.js, VS Code, Git, GitHub

**Frameworks:** Bootstrap, Express.js, Next.js, and Tkinter

**Cloud/ Databases:** document-oriented database (MongoDB), relational database (MySQL)

## ACHIEVEMENTS

**E-yantra (Semi Finals):** Participation in the semi-finals of the E-yantra robotics competition. (10/2022 - 07/2023)

**NTSE (Stage-1 Qualified):** Conducted by NCERT (Only 4000 Students Qualified) (11/2020)

**STSE (Top 90):** Secured a position in the top 90 in the State Talent Search Examination. (12/2020)