Tushar Mohanpuria

Portfolio **Link**

B.Tech. in Computer Science Engineering

Indian Institute of Information Technology, Manipur

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✉ tusharmohanpuria2003@gmail.com

○ GitHub Profile

in LinkedIn Profile

EXPERIENCE

Trajectoryy (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/Web RTC for seamless video calls and Stripe API for secure payment processing.

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".

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 ○ | ▶

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

○ Secured consistent performance with a remarkable 95% accuracy in creating customized fonts from handwritten inputs.

○ Implemented document conversion with 99% accuracy, ensuring seamless PDF and Word format transitions.

○ Consolidated lengthy technical documents into concise summaries at a precision rate of 90%, resulting in enhanced user comprehension and reduced time spent on document review by up to 30%.

Library Management System ○ | ▶

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 ○

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++, HTML5, CSS3, JavaScript, Python

Libraries: React.js, Python (OpenCV, NLTK, PyDub, etc.)

Technologies: MERN Stack, Web, AI & ML

Developer Tools: Node.js, VS Code, Git, GitHub, Docker, Postman

Frameworks: Bootstrap, Express.js, Next.js, Tkinter, Tailwind CSS

Cloud/Services: AWS, Render, Google Cloud, Vercel

Databases: MongoDB (document-oriented), MySQL (relational)

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)