

Tushar Ranjan

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EDUCATION

Master of Science, Computer Science, Drexel University, Philadelphia

Sep 2023- June 2025

Artificial Intelligence, Computer Vision, Data Structures and Algorithms, Developing user Interface

Computer Networks, Software Project Management

GPA: 3.79/4.0

Bachelor of Engineering, Information Science, DSCE, Bangalore, India

Aug 2019 – June 2023

CGPA: 8.67/10

SKILLS

Programming Languages: Python, HTML, CSS, Javascript (Advanced); Java (Intermediate)

Libraries/Frameworks: React.js (Advanced), Django, Numpy, Pandas, Flask, Node.js (Intermediate)

Tools / Platforms: Git and Github (Advanced); MATLAB (Intermediate), Figma (Intermediate)

Databases: MySQL (Advanced), MongoDB (Intermediate)

WORK EXPERIENCE

Business Web Solutions | Web Development Intern

March 2023 - May 2023

- **Enhanced User Engagement:** Boosted user engagement by 30% across 5+ projects using advanced front-end technologies.
- **Server-Side Efficiency:** Increased server-side efficiency by 25% by optimizing back-end code and improving resource management, reducing load times and enhancing user experience.
- **Component Development:** Led the development of over 10 React JS components, boosting site traffic by 20%.
- **Process Improvement:** Streamlined Git/GitHub processes for three development teams, reducing merge conflicts by 40% and enhancing code integration efficiency.

M-Kube | Front-End Web Development Intern | Sydney, Australia (Remote)

Mar 2022 - June 2022

- **Front-End Revamp:** Led the redesign of the website's front-end, increasing user engagement by 35% through improved responsive design and feature integration.
- **Project Delivery Efficiency:** Achieved a 40% increase in project delivery efficiency by driving key insights and feedback in project meetings, ensuring compatibility across devices and seamless back-end integration.

PROJECT

Zest(Real-Time Chat Application)

- Developed a real-time chat application using React and Socket.IO, ensuring instant messaging and user interaction. [Link](#)
- Addressed challenges in real-time responsiveness and scalability through efficient websocket and state management techniques.

Implementations of Vedic Mathematics Sutra(Android Application)

- Created an educational application for Vedic mathematics, integrating interactive tools and user-friendly design. ([fin_irjmets1686833488.pdf](#))
- Overcame challenges in user engagement and content delivery, enhancing the learning experience.

Language Detection

- Created an app for detecting and translating languages, enhancing real-time processing and accuracy.

CERTIFICATION

- HTML, CSS, and Javascript for Web Developers on Coursera. [Link](#)
Completed an advanced course culminating in a capstone project that boosted site load speed by 40% and increased user retention by 20%.
- Java Programming Masterclass updated to Java 17 on Udemy. [Link](#)