

Tushar Khatri

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EDUCATION

Indiana University Bloomington <i>Master of Science in Computer Science, GPA: 4.0/4.0</i> <ul style="list-style-type: none">Coursework: Applied Algorithms, Applied Machine Learning, Software Engineering	Aug 2024 – May 2026
University of Mumbai <i>Bachelor of Engineering in Artificial Intelligence & Data Science, CGPA: 9.23/10</i> <ul style="list-style-type: none">Coursework: Data Structures, Analysis of Algorithms, Databases, Web Computing, Big Data Analytics, Machine Learning, Artificial Intelligence, Natural Language Processing, Operating System, Computer Networks, Cloud Computing, Cryptography.	Aug 2020 – May 2024

TECHNICAL SKILLS

Languages: Python, JavaScript, C, C++, SQL, TypeScript(Basic)
Full Stack Development: HTML5, CSS3, React.js, Node.js, Express, Restful APIs, Sass, Tailwind CSS
Machine Learning: NumPy, Pandas, Scikit-learn, Tensorflow, Keras, PyTorch
Databases: MySQL, Oracle, MongoDB, PostgreSQL
Miscellaneous: Agile, AWS, Docker, Git/GitHub, Linux, Postman, Oops, Chakra UI, VS Code, Jupyter

WORK EXPERIENCE

Full Stack Developer Intern <i>Bharat Intern</i> <ul style="list-style-type: none">Spearheaded the development of a content management tool using JavaScript, NodeJS, and ReactJS, resulting in an enhanced workflow that decreased article approval timesFacilitated better team collaboration by integrating features that centralized article drafts and edits, improving visibility and communication among editors.	Oct 2023 - Nov 2023
Software Developer Intern <i>Prodigy Infotech</i> <ul style="list-style-type: none">Executed comprehensive data extraction by implementing advanced web scraping techniques; streamlined collection of essential product details including names and prices while reducing manual entry time by more than 12 hours weekly.Streamlined Data manipulation by utilizing Pandas and storage solutions by implementing MongoDB for organizing scraped data, reducing retrieval times while increasing overall efficiency.	Sep 2023 - Oct 2023

PROJECTS

AI-Powered Automated Surveillance System <i>Neural Networks, Object Detection</i> <ul style="list-style-type: none">Engineered an AI-driven surveillance system by implementing YOLOv8 and Faster R-CNN, achieving a 30% improvement in real-time object detection accuracy.Integrated real-time classification with email alerts, allowing immediate responses to detected activities in live feeds and recorded video datasets. .Trained models on semi-supervised video data and designed the system to seamlessly integrate with live camera feeds, enabling efficient processing of real-time and pre-recorded streams.	Github
Caring Hands <i>React.js, Node.js, Express.JS, MongoDB</i> <ul style="list-style-type: none">Designed and implemented a full-stack MERN web application featuring a chatbot interface, facilitating user bookings for home visits while streamlining the nurse registration process to enhance operational efficiency.Built intuitive user interfaces using React.js, optimizing user experience for appointment scheduling, nurse registration, and chatbot interactions, improving registration speed by 30%.Engineered robust backend services utilizing Node.js and Express.js, delivering a RESTful API for user authentication and appointment scheduling.	Github
X-Crypto-Comprehensive Cryptocurrency Information <i>React js, Chart js, Coin-Gecko API</i> <ul style="list-style-type: none">Developed a comprehensive cryptocurrency platform featuring real-time data and API integration, supporting 100+ cryptocurrencies.Implemented multi-currency support, providing real-time rates in INR, Euro, and Dollar, enhancing the platform’s global usability.Created and deployed an advanced historical trend analysis tool utilizing Chart.js, increasing user engagement by 40% and enabling teams to derive actionable insights from data in real-time for swift market adaptations.	Github Demo

PUBLICATIONS

“**Excellence in Cricket leveraging AI/ML and Automation**” International Journal for Research in Applied Science and Engineering Technology (IJRASET), vol. 12, Issue 1, January 2024

CO-CURRICULAR ACTIVITIES

Served as IPR Coordinator at TSEC’s IIC (2022-2023), orchestrated innovation-focused events such as **Ideathon**, **Projectathon**, IPR workshops, and managed **Smart India Internal-Hackathon**.
Oracle Cloud Data Management 2023 Foundations Associate (1Z0-1105-23) Cloud Certification.
Participated in 3 intercollege hackathons, showcasing **Coding** and **Problem-solving skills**.