

TUSHAR BATHAM

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Summary — I'm a passionate CSE student with strong expertise in OpenCV projects, frontend and game development seeking opportunities to leverage my skills and gain valuable industry experience.

Skills

Ai/ML Python, Pytorch, Streamlit, TensorFlow, Automation Testing
Cloud Firebase, Fast-API, NLP, hugging face transformers

Languages Python, Javascript, C++
Design Flutter, Figma
Frameworks Open-cv, React, Node.js, Express.js
Basic skills LLama, Statistical Analysis, Data Analysis, EDA, OOPs, GenAi, Pattern Recognition

Experience

M.P. State Co-operative Consumers Federation Ltd

June 2024 – Present

SDE Intern

- Contributing to building a customized Tally system with seamless database integration.
- Analyzing integrated data and designing visualizations for improved reporting and decision-making

Newzchain

Feb 2024 – June 2024

Associate Researcher

- Conducting thorough research on the startups and their backgrounds.
- Production of a podcast and deciding the final cut.

MIIA Foundation

Dec 2024 – Present

Intern

- Building a real-time comparator using computer vision
- Quality Assurance using a custom dataset built on Robo-Flow.
- Implementation of YOLOv8 for masking of objects in real-time.
- Data analysis on real time data and model preparation using linear regression

Education

Medi-caps University

August 2021 - June 2025

Bachelor of Technology in Computer Science, Current CGPA: 8.08

Minors: Web development, Data science

Certifications

- Cyber Security by Infosys
- AI-Powered Performance Ads Certification
- Fundamentals of Information Security
- Machine Learning
- Ethical Hacking

Projects

Water-supply-managment / Indore Municipal Corporation

github.com/water-mgmt

- Web scrapping for real-time data of water supply in each household.
- model development using isolation forest for faster data selection in each ward
- individual ward information about usage of each household and developing heat maps in the area facing scarcity

Real-time comparator

Jan 2025 – Present

- Masking objects and their desired part in real-time using YOLOv
- developing robust dataset using roboflow
- calculating the depth of object using lidar sensor

ON the way master (MERN)

Jan 2024 – July 2024

- implementation of an online student counselling system for students
- Students can - take a quiz with automatic feedback - see the info of all approved counsellors - chat with any approved counsellor - give their feedback to the admin
- Approved counsellors can - see the info of all registered students - see the quiz with the responses - chat with any student - give their feedback to the admin