Tushar Upadhyay

CONTACT

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INTRODUCTION

I am a 3rd-year B.Tech CSE (Data Science) student at RGPV with strong interest in Data Science, AI/ML, NLP, and Deep Learning. I have hands-on experience in Python, APIs, front-end development, machine learning, and neural networks, and enjoy building practical, real-world projects.

EDUCATION

B.Tech CSE – Data Science | RGPV Bhopal, MP
Dec 2023 – Jan 2027

- **Skills Acquired:** Python, Data Analysis, Frontend Development, Problem Solving
- **Relevant Coursework:** Probability & Statistics, Machine Learning, Artificial Intelligence, Database Systems.

SKILLS

- **Programming:** Python
- **Data Science:** Data Analysis, Data Visualization
- **Machine Learning:** Supervised & Unsupervised Learning

- **Frontend:** React.js, Streamlit
- **Backend & APIs :** REST APIs, FastAPI + Data Validation
- **Deep Learning:** Neural Networks

CERTIFICATIONS

Programming with Generative AI – NPTEL

- **Duration:** 8 Weeks
- **Concepts:** Generative AI, AI-assisted programming, Python, C (memory management)

Digital Computing & SDITS Web Development Skill Training

- **Duration:** 1 year
- **Skills Developed:** React JS, Tailwind CSS, MongoDB, Git & GitHub, Version Control

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PROJECTS

InspectML | Python Library

- Developed a **Python Library** for **evaluating** machine learning models using standard performance metrics
- Implemented modular and reusable evaluation functions for ML workflows

Hand Detection | OpenCV + MediaPipe

- Developed a real-time **hand detection** system by integrating **MediaPipe** with **OpenCV**
- Implemented landmark-based hand tracking and **visualization**