

# Anshika Shrivastava

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## SUMMARY

Driven AI/ML enthusiast pursuing B.Tech in Computer Science (AI ML) with hands-on experience in developing and deploying AI-powered systems. Worked with Python, YOLOv8, OpenCV, FastAPI, and NLP tools. Seeking to contribute technical expertise and problem-solving skills to MotorQ's innovative internship program.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, SQL, Java, Javascript

**AI/ML Frameworks:** YOLOv8, TensorFlow, PyTorch, MediaPipe

**Libraries & Tools:** OpenCV, NumPy, Pandas, NLTK, FastAPI, Flask, Git, Docker

**Web Development:** HTML, CSS, JavaScript, React.js, Tailwind CSS, UI/UX Design, Node.js, Express.js, RESTful APIs

## PROJECTS

### NeuroVision - Brain Tumor Segmentation & Visual QnA for Radiology

Nov 2024 – Present

*Medical AI & Cloud Deployment*

*Python, 3D U-Net, Swin UNETR, FastAPI, PathVQA, BraTS21*

- Designed a cloud-deployable medical AI tool for brain tumor segmentation using 3D U-Net and Swin UNETR
- Developed an interactive VQA chatbot to answer radiology queries, leveraging PathVQA dataset
- Deployed scalable system with FastAPI, focusing on real-time diagnostic feedback: [github.com/ANSHIKA1220/NeuroVision-BHPC](https://github.com/ANSHIKA1220/NeuroVision-BHPC)

### ShastraEye - AI-Powered Threat Detection Surveillance System

Jan 2025 – May 2025

*Computer Vision & Real-Time Processing*

*Python, YOLOv8, OpenCV, MediaPipe, FastAPI, Flask*

- Engineered a real-time surveillance system achieving 90% accuracy in object detection and gesture tracking
- Implemented face recognition and rule-based threat scoring with alert pipeline using FastAPI
- Deployed system on GitHub: [github.com/ANSHIKA1220/ShashtraEye-final](https://github.com/ANSHIKA1220/ShashtraEye-final)

## EDUCATION

### VIT Bhopal University

*B.Tech in Computer Science (AI & ML), GPA: 9.39*

Bhopal, Madhya Pradesh

Sept 2023 – Present

### Jayshree Periwai High School

*Class 12, CBSE, GPA: 93.8%*

Jaipur, Rajasthan

2022

### Jayshree Periwai High School

*Class 10, CBSE, GPA: 97.4%*

Jaipur, Rajasthan

2020

## CERTIFICATIONS

- NPTEL Cloud Computing Certification, Top 5%, Score: 83/100 (Jan-Apr 2025)

## ACHIEVEMENTS

- Secured 9th Place in Health Hack 2025 (VIT Bhopal x Johns Hopkins), contributing to NeuroVision for brain tumor segmentation with AI
- Ranked Top 35 out of 3,000+ teams in HacKronyX 2025 (NeuroX), developed SmartMaint.AI for predictive machine failure, invited to Round 2 in Nagpur