ANSHIKA SHRIVASTAVA

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Education

VIT Bhopal University **2027**
Bachelor of Technology, Computer Science (AI & ML)
 • **GPA:** 9.39

Jayshree Periwal High School, Jaipur **2022**
Class 12, CBSE
 • **GPA:** 93.8%

Jayshree Periwal High School, Jaipur **2020**
Class 10, CBSE
 • **GPA:** 97.4%

Projects

1) **ShastraEye - AI-Powered Threat Detection Surveillance System (Jan 2024 – May 2024)**
i.   Built a real-time AI surveillance system using YOLOv8, MediaPipe, OpenCV, face recognition, and Flask, FastAPI.
ii.   Achieved >90% accuracy in object detection, gesture tracking, and face recognition for identity verification.
iii. Implemented a rule-based threat scoring system and alert pipeline using Flask.
   GitHub: [https://github.com/ANSHIKA1220/ShastraEye-final]

2) **Future-Forge - AI-Powered Career Guidance & Motivation Platform (Jun 2024 – Oct 2024)**
i.   Developed an end-to-end career planning platform with NLP, integrating AI-generated roadmaps, curated resources, and a gamified chatbot.
ii.   Served over 100+ users in early testing with personalized learning paths and motivation badges/rewards.
iii. Backend includes custom GenAI logic and database-powered user progress tracking.
   GitHub: [https://github.com/ANSHIKA1220/Future-Forge]

3) **NeuroVision - Brain Tumor Segmentation & Visual QnA for Radiology (Ongoing since Nov 2024 – Present)**
i.   Designed a cloud-deployable medical AI tool using 3D U-Net, Swin UNETR, Python, FastAPI, PathVQA, BraTS21 dataset, and VQA NLP models.
ii.   Developed an interactive chatbot using VQA techniques to answer radiology-specific queries based on PathVQA dataset.
iii. Focused on scalable infrastructure, real-time diagnostic feedback, and explainable AI outputs.
   GitHub: [https://github.com/ANSHIKA1220/NeuroVision-BHPC]

Technical Skills

1) **Programming Languages:** Python, Java, C++, JavaScript
2) **Systems & Tools:** Data Structures & Algorithms, Operating Systems (Linux/Ubuntu), Git, GitHub, VS Code, FastAPI, Flask
3) **AI/ML & Libraries:** TensorFlow, YOLOv8, OpenCV, MediaPipe, NumPy, Swin UNETR, 3D U-Net
4) **Networking & Optimization:** Networking Basics, Memory Management
5) **Web Development:** HTML, CSS, JavaScript, React.js, Tailwind CSS, UI/UX Design

Achievements/Extracurriculars

1) **9th Place, Health Hack 2025 (VTT Bhopal x Johns Hopkins)** – Contributed to NeuroVision project, advancing brain tumor segmentation with AI.
2) **3rd Place, Google Olympics Relay Coding (Team Denmark)** – Collaborated on coding challenges, enhancing problem-solving and teamwork skills.
3) **Top 35 (out of 3,000+ teams), HacKronyX 2025 (NeuroX)** – Developed SmartMaint.AI to predict machine failures in SMEs, invited to Round 2 in Nagpur.
4) **Top 5%, NPTEL Cloud Computing Certification (Jan-Apr 2025)** – Achieved 83/100, strengthening expertise in cloud deployment and scalable systems.