VANSHIKA AWASTHI

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Education

VIT Bhopal University	**Bhopal, Madhya Pradesh**
Bachelor of Technology (B.Tech) in Computer Science and Engineering (Specialization Cloud Computing and Automation)	*Graduation Date: Jul 2026*
Cumulative GPA : 8.56	
RPS Public School (CBSE Board)	**Dharuhera, Haryana**
Higher Secondary Education [Class XII]	87.3%	*Graduation Date: Jul 2021*
Matriculation [Class X]	86%	*Graduation Date: May 2019*

Technical Skills

- **Programming & Backend:** Java, Python, Frameworks (Next.js, SpringBoot),REST APIs, Databases (MySQL, MongoDB), AWS, Docker, Kubernetes, VS Code, Jupyter, Git
- **Machine Learning Tools & Framework**: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, OpenCV

Project Experience

AI Quotev *May 2025 - Jun 2025*
AI Quiz Generator | GitHub
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, OpenAI API, MongoDB, Prisma ORM
- Built a dynamic quiz generation web app, allowing users to enter custom topics and receive real-time scoring and feedback.
- Migrated to MongoDB with Prisma ORM for flexible data handling and deployed the app on Vercel with a responsive UI using Tailwind CSS.

BeatWell *Jul 2024 - Apr 2025*
Heart Attack Risk Predictor | GitHub
- **Tech Stack:** Python, Flask, Scikit-learn, AWS, XG Boost Model
- Engineered a heart attack prediction web app using Flask and Scikit-learn, integrating a XG Boost model for real-time inference on clinical data.
- Achieved **~87% accuracy** using a XG Boost model trained on 13 features from the **UCI Cleveland dataset** (80/20 split); deployed frontend via **AWS Amplify**.

Brain Tumour Detection Model *Jul 2023 - Sep 2023*
Brain Tumor Classification Model | GitHub
- **Tech Stack:** TensorFlow/Keras (with transfer learning – VGG16), OpenCV for image preprocessing
- Implemented a CNN-based image classification model for brain tumor detection from MRI scans using TensorFlow/Keras with data augmentation and preprocessing pipelines.
- Achieved **89% accuracy** and **85% precision** on a custom MRI dataset (253 images, 80/20 split).

Certifications

- AWS Cloud Practitioner - CLF-C02 - Amazon Web Services
- SQL on Oracle Cloud - Oracle (August 2025)
- GenAI with Watson - IBM (July 2025)
- The Bits and Bytes of Computer Networking - Google (December 2023)

Extra - curricular

Leadership Experience:
Stats-O-Locked Club *Feb 2024 - Feb 2025*
Student Co-ordinator
- Led a cross-functional team of 20+ members across 4 departments, streamlining workflows and improving coordination for club operations.
- Successfully organized a flagship event with 100+ registrations, achieving high engagement and positive feedback.

Additional Informatiom

Soft Skills: Problem-solving, team leadership & collaboration, effective communication
Languages: English, Hindi