

VANSHIKA AWASTHI

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering
Cumulative GPA : 8.42

Bhopal, Madhya Pradesh

Graduation Date: Jul 2026

RPS Public School (CBSE Board)

Higher Secondary Education [Class XII] | 87.3%
Matriculation [Class X] | 86%

Dharuhera, Haryana

Graduation Date: Jul 2021

Graduation Date: May 2019

Project Experience

AI Quotev

AI Quiz Generator

May 2025 - Jun 2025

- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, OpenAI API, MongoDB, Prisma ORM
- Users can enter any topic to generate dynamic quizzes with real-time scoring and feedback.
- Migrated to MongoDB for flexible data handling and deployed the app on Vercel with a responsive UI using Tailwind CSS.

BeatWell

Predicting Heart Attack Risk

Jul 2024 - Apr 2025

- **Tech Stack:** Python Flask, Scikit-learn Random Forest model, HTML/CSS/JS, AWS
- Engineered a heart disease prediction web app using Flask and Scikit-learn, integrating a Random Forest model for real-time inference on clinical data.
- Achieved ~87% accuracy using a Random Forest model trained on 13 features from the UCI Cleveland dataset (80/20 split); deployed frontend via AWS Amplify. [GitHub](#)

Brain Tumour Detection Model

Brain Tumor Classification Model

Jul 2023 - Sep 2023

- **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); applied data augmentation and resized images to 224×224 for model generalization. [GitHub](#)

Technical Skills

- **Data Structures and Algorithms (DSA)**
- **Programming Languages:** Java, Python, SQL
- **Web Development:** HTML, Tailwind CSS, TypeScript, React.js, Next.js
- **Backend:** Express.js, Node.js, Flask
- **Database:** MySQL, MongoDB
- **DevOps/Cloud:** AWS, Vercel
- **Tools/Other:** Git, GitHub, VS Code, Jupyter

Leadership Experience

Stats-O-Locked Club

Student Co-ordinator

Feb 2024 - Feb 2025

- Oversaw and optimized workflow coordination among distinct teams within the Stats-O-Locked club to ensure operational efficiency.
- Directed comprehensive event management activities, including planning, execution, and resource allocation, to achieve successful outcomes.

Additional Information

Languages: English, Hindi

Certifications:

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