

VANSHIKA AWASTHI

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<https://github.com/vanshika-awasthi>

Education

VIT Bhopal University

Bachelor of Technology (B.Tech) 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, AWS
- Engineered a heart disease 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. [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). [GitHub](#)

Technical Skills

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

Leadership Experience

Stats-O-Locked Club

Student Co-ordinator

Feb 2024 - Feb 2025

- 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 Information

Languages: English, Hindi

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