

# VANSHIKA AWASTHI

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## Education

### VIT Bhopal University

Bhopal, Madhya Pradesh

*Bachelor of Technology (B.Tech) in Computer Science and Engineering*

*July 2022 – July 2026*

- Specialization: Cloud Computing and Automation
- Cumulative GPA: 8.56/10.0

### RPS Public School (CBSE Board)

Dharuhera, Haryana

*Higher Secondary Education [Class XII] – 87.3%*

*July 2021*

### RPS Public School (CBSE Board)

Dharuhera, Haryana

*Matriculation [Class X] – 86%*

*May 2019*

## Technical Skills

**Programming & Backend:** HTML, CSS, JavaScript, Java, Python, Node.js, Express.js, React, Flask, REST APIs, MySQL, MongoDB, AWS, Docker, Linux, Git

**Machine Learning & Data Tools:** NumPy, Pandas, Matplotlib, TensorFlow

## Projects

### IntelliCRM | AI-Powered Multi-Tenant SaaS CRM Platform | [GitHub](#)

Aug 2025 – Ongoing

- **Tech Stack:** JavaScript, Node.js, React, PostgreSQL, AWS
- Building an AI-powered SaaS CRM platform with tenant-customized dashboards, pipeline management and AI analytics
- Strategizing to optimize data handling and queries to make analytics fast and scalable

### AI Quotev | AI Quiz Generator | [GitHub](#)

May 2025 – June 2025

- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, OpenAI API, MongoDB, Prisma ORM
- Developed a web app that generates quizzes dynamically from custom topics using OpenAI API with real-time scoring and feedback
- Fine-tuned prompt engineering and scoring logic to reach ~90% accuracy in question relevance and answer evaluation during testing

### BeatWell | Heart Attack Risk Predictor | [GitHub](#)

July 2024 – Apr 2025

- **Tech Stack:** Python, Flask, Scikit-learn, AWS, XGBoost Model
- Engineered a heart attack prediction web app using Flask and Scikit-learn, integrating an XGBoost model for real-time inference on clinical data
- Achieved ~87% prediction accuracy using an XGBoost model trained on 13 features from the UCI Cleveland dataset (80/20 split); deployed via AWS Amplify

### Brain Tumour Detection Model | Classification Model | [GitHub](#)

July 2023 – Sep 2023

- **Tech Stack:** TensorFlow/Keras, VGG16 Transfer Learning, OpenCV, Vercel
- Implemented a CNN-based model for brain tumor detection from MRI scans using TensorFlow/Keras
- Achieved 89% accuracy and 85% precision on a dataset of 253 MRI images using fine-tuned VGG16 architecture

## Certifications

**AWS Cloud Practitioner – CLF-C02** – Amazon Web Services (October 2025)

**SQL on Oracle Cloud** – Oracle (July 2025)

**GenAI with Watson** – IBM (August 2025)

**The Bits and Bytes of Computer Networking** – Google (December 2023)

## Leadership Experience

### Stats-O-Locked Club

VIT Bhopal University

*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 3 flagship events with 150+ registrations, achieving high engagement and positive feedback

## Additional Information

**Languages:** English, Hindi

**Interests:** Reading Tech Articles & books, Team Sports (Badminton, Basketball)