Vanshika Awasthi

Delhi, India ☎ +91-8882977568 ✉ awasthi.vanshika21@gmail.com 🔗 linkedin.com/in/vanshikaawasthi
🔗 github.com/vanshika-awasthi

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, Amazon Web Services (AWS), Docker, Kubernetes, Linux, Git

Machine Learning & Data Tools: NumPy, Pandas, Matplotlib, Generative AI, TensorFlow, Scikit-learn

Projects

AI Quotev | *AI Quiz Generator* | GitHub   **May 2025 – June 2025**
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Gemini API, MongoDB, Prisma ORM
- Developed a web app that generates quizzes dynamically from custom topics using Gemini API with real-time scoring and feedback
- Integrated MongoDB with Prisma ORM for user data and quiz history, enabling 30% faster query response for leaderboards
- 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:** TypeScript, Python, Flask, Scikit-learn, AWS, XGBoost Model
- Developed a medical prediction web app using XGBoost model for real-time heart attack risk analysis from 13 health parameters
- Implemented MySQL-backed storage for patient profiles, reducing data retrieval latency by 35% compared to flat file storage
- Achieved ~87% prediction accuracy on UCI Cleveland dataset (80/20 split) and deployed via AWS Amplify for end-user access across devices

Brain Tumour Detection Model | *Classification Model* | GitHub   **July 2023 – Sep 2023**
- **Tech Stack:** HTML, CSS, TensorFlow/Keras, VGG16, SQLite, Vercel
- Built a CNN-based model using VGG16 transfer learning to classify brain MRI scans into tumor/non-tumor categories
- Integrated an SQLite database to manage labeled image metadata and model predictions, allowing for efficient image retrieval and re-evaluation
- Achieved 89% accuracy and 85% precision across 253 MRI samples; deployed the trained model on Vercel for remote accessibility

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)