

Anusha Gupta

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TECHNICAL SKILLS

- **Languages:** Python, C++, SQL, Java
- **Frameworks & Libraries:** Flask, Vite, TensorFlow, Pandas, NumPy, Scikit-learn, NLTK
- **Tools:** Git, VS Code, Jupyter, Figma
- **Cloud/Other:** Firebase, Render, Vercel, AWS (EC2, S3)

PROJECTS

Heart Disease Prediction Web Application

Dec 2023 – Jan 2024

Flask – Scikit-learn – Render Deployment

- Built a full-stack ML web application using Flask to predict heart disease from user-submitted health metrics.
- Preprocessed 1,025 patient records with feature scaling, label encoding, and correlation-based feature selection.
- Trained Logistic Regression, SVM, and Random Forest models; selected the best with 92% accuracy and 89% F1-score.
- Exposed a RESTful Flask API to serve predictions in real-time across browser inputs; tested with 100+ live entries.
- Deployed on Render with CI/CD setup; maintained zero downtime and sub-1s latency for live predictions.

Urban Civic: Municipal Issue Reporting Web App

Mar 2024 – May 2024

Firebase – Vite – Tailwind CSS – Civic Tech

- Engineered a full-stack civic tech platform for reporting issues (potholes, streetlights, etc.); collected over 250 structured reports with geolocation and timestamp metadata.
- Implemented role-based Firebase Authentication securing 3 user roles (citizen, verifier, admin) with 100% uptime and zero unauthorized access.
- Built a responsive, mobile-first UI achieving <1.3s load time, 98+ Lighthouse performance score, and 99% user session completion on mobile devices.
- Designed a real-time admin dashboard with filters across 5+ issue types and 20+ wards, improving triage speed by 35% and reducing average response time by 2 days.
- Deployed on Vercel with Firestore listeners and auto-scaling support for 60+ concurrent users, maintaining >99.5% uptime during public rollout.

EDUCATION

• VIT Bhopal University

B.Tech in Computer Science (Core) – CGPA: 8.99/10

Bhopal, MP, India

Sept 2023 – May 2027

• S.S. Children Academy Girls School (CBSE)

Class 12th, CBSE Board – 90.8%

Moradabad, UP, India

Passed: 2022

• S.S. Children Academy Girls School (CBSE)

Class 10th, CBSE Board – 92%

Moradabad, UP, India

Passed: 2020

CERTIFICATIONS

- Oracle Java Foundation Associate Certification Oracle
- Oracle Generative AI Professional Certification Oracle
- NPTEL: Introduction to Machine Learning IIT Madras
- Prompt Design in Vertex AI Google Cloud