Anushka Mandekar

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Education:

VIT Bhopal University

- BTech in Computer Science and Engineering with minors in Health Informatics
- Cumulative GPA: 8.42 (Expected Graduation: May 2026)

12th Standard

- Nasik Presidency Junior College, Nashik, Maharashtra
- Cumulative GPA: 9.55 (June 2021)

10th Standard

- Wisdom High International School, Nashik, Maharashtra
- Cumulative GPA: 9.25 (July 2019)

Technical Skills:
- **Programming & Data Analysis:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (MySQL, PostgreSQL)
- **Database Management:** Schema Design, Query Optimization, Indexing, Joins, Stored Procedures
- **Data Visualization & Business Intelligence:** Tableau, Power BI, Microsoft Excel (Pivot Tables, VLOOKUP)
- **Machine Learning & Data Processing:** Scikit-Learn, TensorFlow, Data Cleaning, Feature Engineering
- **Web Scraping:** BeautifulSoup, Data Extraction

Projects:

- **Travel Itinerary generating website (March 2024): Web Development, Python (Django), MySQL, HTML, CSS,JavaScript, Google Maps API**
  - Led a 5-member team, integrating backend, frontend, and DBMS, streamlining 1,000,000 data points for improved data flow.
  - Processed and analysed datasets from 1,050 destinations and 1,500 restaurants, achieving 98% data accuracy.
  - Designed & optimized MySQL schemas, reducing query time by 40%, ensuring seamless data retrieval & scalability.
  - Built a Django-based backend enabling real-time itinerary generation & secure authentication.

- **Malaria Detection GUI (August 2023): Machine Learning, Python (Pandas, Numpy, Keras, Seaborn, Scikit-Learn, TensorFlow)**
  - Executed EDA & statistical analysis on 27,000 blood-stain dataset, uncovering key patterns.
  - Led a 6-member team, developing data-driven, AI-powered image analysis GUIs.
  - Refined data pipelines with compression algorithms, enhancing efficiency & scalability.

- Deployed VGG-19-based deep learning model, reducing error rate & boosting model accuracy **Omdena Nepal Local Chapter (May 2023): HTML, Python, Beautiful Soup**
  - Collected, cleaned, and analysed 65 media datasets to improve diversity insights
  - Developed a web scraping tool in a 52-member global team for large-scale data extraction.
  - Performed EDA to uncover patterns and enhance data-driven decision- making.

Extracurricular Activities:

- **Core Marketing Team Member, Health-O-Tech Club**: Organized 5 health awareness campaigns, reaching 500+ student via strategic outreach.

- **Innovator at American Express Hackathon:** Researched and built an **AI- driven financial planner** with **real-time spend analysis**, enhancing budget accuracy **30%**.

- **Chief Editor, School's Newspaper (3 years):** Led a 15-member team and boosted readership by 30%

- **Public Speaking & Debate Representative** - 2-time Debate Champion, Orator of the Year

- **Event Manager**: Coordinated logistics for 500+ attendees, overseeing 20+ volunteers

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Certifications:

- IBM Data Science Orientation - Fundamentals of data analysis, statistical methods, and AI-driven insights
- Vityarthi: Fundamentals of Artificial Intelligence and Machine Learning
- Coursera: Advanced Excel techniques for data visualization & analysis
- INSPIRE Scholarship for higher education by DST, Maharashtra - Recognized for academic excellence in STEM fields

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Languages: Hindi, English, Marathi