

Anushka Mandekar

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Education:

VIT Bhopal University

- BTech in Computer Science and Engineering with minors in Health Informatics
- Cumulative GPA: 8.4 (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)
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Technical Skills:

- Programming & Data Analysis: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (MySQL, PostgreSQL)
 - Data Visualization & Business Intelligence: Microsoft Excel (Pivot Tables, VLOOKUP)
 - Data Processing: Data Cleaning, Feature Engineering
 - Web Technologies: Django, Selenium, Data Extraction
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Projects:

- **Travel Itinerary generating website (March 2024): Web Development, Python (Django), MySQL, HTML, CSS, JavaScript, Google Maps API**
 - Managing and processing vast datasets for personalized travel itineraries.
 - Led a 5-member team, integrating backend, frontend, and DBMS, streamlining 1,000,000 data points for improved data flow.
 - Processed and analyzed 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.
 - Enhanced efficiency and scalability by refining data pipelines using compression algorithms.
 - Deployed a VGG-19 deep learning model, reducing error rate and boosting model accuracy.
 - **Omdena Nepal Local Chapter (May 2023): HTML, Python, BeautifulSoup**
 - Extracting and analyzing diverse media datasets for data-driven insights.
 - 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.
 - Improved data-driven decision-making by uncovering patterns using EDA techniques.
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Extracurricular Activities:

- **Core Marketing Team Member, Health-O-Tech Club:** Organized 5 health awareness campaigns, reaching more than 500 students via strategic outreach.
 - **Innovator at American Express Hackathon:** Designed & engineered a prototype for automated financial planning, integrating real-time spend analysis.
 - **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: Hosted and Managed Farewell and Sports Day:** Coordinated logistics for more than 500 attendees, overseeing 20 volunteers
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Certifications:

- IBM Data Science Orientation – Fundamentals of data analysis, statistical methods, and AI-driven insights
 - IAMNEO Data Science using Python
 - Coursera: Data Cleaning and analysis in Excel – 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

