

Anushka Mandekar

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Education:

- VIT Bhopal University**
- BTech in Computer Science and Engineering with minors in Health Informatics
 - Cumulative GPA: 8.39 (Expected Graduation: May 2026)
- 12th Standard**
- Nasik Presidency Junior College, Nashik, Maharashtra
 - Cumulative GPA: 10 (June 2021)
- 10th Standard**
- Wisdom High International School, Nashik, Maharashtra
 - Cumulative GPA: 9.74 (July 2019)
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Technical Skills:

- Tech Stack: Python (Pandas, NumPy, Matplotlib, Seaborn), Java, SQL (MySQL, PostgreSQL), DBMS, Microsoft Excel, Git, Django, Selenium, Web Scraping.
 - Data Science: Machine Learning Fundamentals, Statistics, EDA, Data Cleaning, Feature Engineering, Data Visualization.
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Projects:

- Travel Itinerary generating website (March 2024): Web Development, Python (Django), MySQL, HTML, CSS, JavaScript, Google Maps API**
 - Processed 1M+ datasets to personalize travel itineraries, enhancing user experience.
 - Led a 5-member team, integrating backend, frontend, and DBMS, streamlining 1,000,000 data points for optimized data flow.
 - Performed comprehensive data processing and analysis on datasets from 1,050 destinations and 1,500 restaurants, achieving 98% data accuracy for refined recommendations.
 - 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 in-depth EDA and robust statistical modeling on a 27,000-image blood-stain dataset, identifying critical patterns for disease detection.
 - 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.
 - Performed controlled experiments to compare performance of pre-trained (VGG-19) and scratch model, utilizing metrics for rigorous evaluation.
 - Omdena Nepal Local Chapter (May 2023): HTML, Python, Selenium**
 - Extracted, cleaned, and analyzed 65 diverse media datasets to generate actionable, data-driven insights that enriched understanding of diversity trends.
 - Developed a web scraping tool in a 52-member global team for large-scale data extraction.
 - Catalyzed insight-led decision-making by uncovering patterns using EDA techniques.
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Extracurricular Activities:

- Core Marketing Team Member, Health-O-Tech Club: Orchestrated 5 health awareness campaigns, reaching over 500 students via strategic outreach for Health-O-Tech Club.
 - Engineered a prototype at American Express Hackathon for automated financial planning, integrating real-time spend analysis and simulating a 15% increase in user savings by optimizing spending patterns.
 - Chief Editor, School's Newspaper (3 years): Led a 15 member team and boosted readership by 30%
 - Demonstrated excellence in public speaking and debate in school, earning 2-time Debate Champion status and Orator of the Year recognition.
 - Directed successful Farewell and Sports Day events, managing logistics for over 500 attendees and supervising a team of 20 volunteers.
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Certifications:

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

