

Dhriti Mittal

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Education

VIT Bhopal University	Sehore, MP
B.Tech in Computer Science and Engineering (Core) CGPA 8.78	2023 – Present
Senior Secondary Education (12th Grade)	Boisar, Maharashtra
Percentage: 87.2%	2023
Secondary Education (10th Grade)	Boisar, Maharashtra
Percentage: 99.6%	2021

Experience

VIT Bhopal University - Android Club	April 2024 - Present
Lead, Operations Department	
• Orchestrated the planning and execution of technical workshops and hackathons; managed cross-functional coordination between speakers and organizing teams.	
• Spearheaded promotional strategies and logistics optimization, resulting in a increase in event participation.	
• Managed budgeting and resource allocation, optimizing expenses while maximizing student outreach.	
VIT Bhopal University - Matrix (The Multimedia Club)	January 2025 – September 2025
Co-Lead, Technical Department	
• Implemented new design workflows using Adobe Suite, enhancing team efficiency and creative output.	
• Conducted training sessions on graphic design and video editing, upskilling junior club members.	

Projects

Age & Gender Prediction Model | *Deep Learning, TensorFlow, Computer Vision*

- Developed a fairness-aware Hybrid CNN-Transformer architecture (ResNet50, VGG16) for facial attribute analysis, achieving 95% validation accuracy in gender classification.
- Implemented custom Parity Loss and dynamic sample weighting to mitigate demographic bias, significantly reducing Mean Absolute Error (MAE) for age regression.

AIO Pharmacy | *Data Engineering, Geospatial Analysis, Python*

- Architected the data layer for a unified digital health platform, bridging the gap between prescription and medication acquisition through availability-aware navigation.
- Spearheaded the curation and standardization of a robust pharmacy dataset, enabling proximity-based search logic and real-time inventory mapping.

Skills & Interests

Languages: Java, Python, R, SQL

Web & Design: HTML, CSS, JavaScript, Figma, Adobe Photoshop, Illustrator

Tools & Platforms: Git, GitHub, Jupyter Notebook, VS Code

Core Competencies: Data Analysis, UI/UX Design, Operations Management

Certifications

Adobe UI/UX Certification (Ethnus): Certified in User Research, Information Architecture, Wireframing, and Prototyping using Figma and Adobe Creative Cloud.

Introduction to Machine Learning (NPTEL): Online certification course covering core ML algorithms, supervised/unsupervised learning, and applications.

Marketing Analytics (NPTEL): Completed certification focusing on data-driven marketing strategies, customer segmentation, and predictive modeling techniques.