

EDUCATION

VIT Bhopal University	Sep 2022 –Jul 2026
B. Tech - Computer Science and Engineering- CGPA: - 8.30/10.0	Bhopal
Army Public School, Kirkee	July 2022
CBSE 12 th – 77.6%	Pune, Maharashtra
Dr Martheophilus School, Pune	June 2020
CISCE 10 th -97.2%	Pune, Maharashtra

PROJECTS

CNN-Based Waste Segregation System	(Oct 2023 – Nov 2023)
Tools: Python, OpenCV, ResNet-34, CNNs	
<ul style="list-style-type: none">Developed a ResNet-34 CNN model to classify waste into 12 categories, improving automated recycling processes.Trained and fine-tuned the model for high-accuracy object detection and segmentation.	
JALDARPAN – Water Demand Forecasting	(July 2024 – Dec 2024)
Tools: Python, LSTM, Flask, Plotly	
<ul style="list-style-type: none">Built an LSTM-based time-series model to predict water demand using historical municipal data.Engineered features and optimized hyperparameters, achieving RMSE.Built an interactive Flask dashboard with Plotly visualizations for real-time decision-making.	
Bechdel Test Analysis	(June 2025-Ongoing)
Tools: <i>Python, Pandas</i> , StatsModels (Regression, Classification), Matplotlib/Seaborn.	
<ul style="list-style-type: none">Scraped and preprocessed movie scripts, complemented with director/cast gender data for bias-aware.Performed statistical modeling (OLS regression, ANOVA) to identify correlations between film success metrics and gender ratios.Visualized trends (bar/pie charts, scatter plots) to highlight Hollywood’s progress/regression over time.	

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Scikit-learn), MySQL, C++, Java (Basics).
Data Analysis: Exploratory Data Analysis, Statistical Analysis, Hypothesis Testing, Data Mining, REST APIs, Data Cleaning.
Machine Learning: Predictive Modeling (Regression, Classification, Neural Networks/CNNs), Supervised Learning, Model Evaluation, Feature Engineering (PCA, Scaling).
Data Visualization: Power BI, Seaborn, Matplotlib, Plotly, DAX.
Tools & Technologies/Cloud: GitHub, Microsoft Excel (Pivot Tables, Power Query), AWS.

CERTIFICATIONS

Great Learning: Introduction to Deep Learning (Dec 2023)
Coursera: Applied Machine Learning in Python (Aug 2024)
NPTEL (IIT Kharagpur): Cloud Computing
SkillUp: Power BI for Beginners (Feb 2025)

ACHIEVEMENTS

- Smart India Hackathon: -Fake social media profile detection and reporting. Our project involved AI-powered profile monitoring, smart contract alerts and the use of blockchain to improve security.
- Gold medal in National English Olympiad.

EXTRA-CURRICULAR

- Google Developer Student Clubs** – (VIT Bhopal) Team Member of *Event Management & Outreach Team*. Organized a 200+ participant hackathon. Increased event participation by **40%** through social media.
- Diploma in Bharatanatyam*: Completed 5 levels (practical + theory).
- Languages:** English (Fluent), Hindi (Fluent), Malayalam (Native), Marathi (Intermediate), German (A1).