

Vedika Mishra

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Data Analyst | Python | Agile Methodologies | Problem Solver | Team Player

ACADEMIC DETAILS

Degree	Institute / University / Board	Year	Percentage
B. E. (CSE)	Lokmanya Tilak College of Engineering (Mumbai University)	2017-2021	89.67
Class XII	B.K. Birla College of Arts, Commerce and Science	2017	67.43
Class X	St. Thomas English Medium School	2015	88.80

PROFESSIONAL EXPERIENCE

35 Months

TheSmallDataStore – Data Engineer

Jan '24 – Nov '24

Responsibilities	<ul style="list-style-type: none">Built advanced web-scraping tools using Python to efficiently develop the Universal Item Master systemDesigned the database architecture from scratch, creating comprehensive tables and detailed ER diagramsAutomated the data ingestion pipeline from client stores using an ELT framework for efficient processingDeveloped back-end code using Python for scripting, while securely maintaining data on MongoDBAutomated extraction of complex product details from unstructured names, reducing manual effortBuilt a real-time MongoDB update listener to track and backtrack missing data during high-velocity transfersDeveloped a custom algorithm to classify data into categories, baskets, and industries based on custom logicSet up and configured Apache Airflow to orchestrate workflows, scheduled data pipelines, and automated code execution for seamless data processingResearched and compared pre-trained AI models for cost, ease of use, and optimization to select the best fit
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LTIMindtree – Quality Engineer

Jun '21 – Jun '23

Details	<ul style="list-style-type: none">Planned and authored detailed functional test cases based on business requirementsExecuted comprehensive UAT test scripts using Azure DevOps (ADO) to validate workflowsLed collaboration with cross-functional teams to implement solutions aligned with organizational goalsParticipated in Agile ceremonies including daily standups, sprint planning, and retrospectivesPerformed root cause analysis for bugs by querying databases to identify data inconsistenciesWrote and executed complex SQL queries to validate back-end data integrity after application workflowsCreated and shared regular QA status reports highlighting project risks and testing progressDirected new team members during onboarding, ensuring smooth and seamless knowledge transferEnhanced key workflow processes by applying Agile practices, achieving a 20% increase in efficiencyUtilized SQL scripts to prepare and manipulate test data, enabling precise scenarios for functional testingAnalysed, reviewed, and documented progress using Jira and Confluence, identifying key areas of attention
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PROJECTS

Face Mask Detection System| Lokmanya Tilak College of Engineering

Aug '20 – Mar '21

Details	<ul style="list-style-type: none">Designed and implemented a real-time mask detection system using YOLOv3 and OpenCV for complianceBuilt a facial recognition feature to match detected faces with profiles and send automated email alerts for violationsCreated a custom dataset from Google Images and Kaggle, processed with augmentation, trained using TensorFlowUsed Python, OpenCV, TensorFlow to build the complete system, optimizing for accuracy and performance
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AWARDS AND ACHIEVEMENTS

Certifications	<ul style="list-style-type: none">Machine Learning with Python (Cognitive Class) 2020Fundamentals of Python (Coursera) 2020
Extracurricular	<ul style="list-style-type: none">Trained Kathak dancer, completed Level 3 certification with expertise in classical Indian dance forms
Curricular	<ul style="list-style-type: none">Graduated Rank 1 in Computer Science, recognized for outstanding performance, intellectual rigor, and dedication to excellenceAwarded Certificate of Appreciation for securing third position in Applied Chemistry-I during first year of B.E.Awarded Certificate of Appreciation for securing third position in Applied Physics-I during first year of B.E.Received Letter of Appreciation for securing 9.7 CGPI in Semester-5 and achieving Rank 1 in Semester-5

POSITIONS OF RESPONSIBILITY

Lokmanya Tilak College of Engineering – Technical Secretary (Zephyr)

Feb-2020

- Coordinated activities for the tech fest Zephyr, effectively planning and executing successful technical events
- Managed the team's budget while building strong relationships, ensuring smooth operations of all events