

Dhruv Thaker

Portfolio: <https://dhruv-thaker-portfolio.github.io/>

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EDUCATION

- University of Illinois Urbana-Champaign** Champaign, USA
 - Masters of Science in Information Management (MSIM);* *August 2025 - Present*
 - Courses:* Information Modeling, Data Mining, Cloud Computing, Database Management Systems, Machine Learning, Programming
- Usha Pravin Gandhi College of Arts, Science and Commerce** Mumbai, India
 - Bachelor of Science - Information Technology; GPA: 9.30* *July 2020 - October 2023*
 - Courses:* Data Structures, Analysis Of Algorithms, Artificial Intelligence, Database Management Systems, Computer Networking, Programming, Operating Systems,

EXPERIENCE

- PricewaterhouseCoopers (PwC) – Mumbai, India**
Data Engineering – Aug 2023 – Jul 2025
 - Data Engineering for Global Beverage Brand:** Designed and maintained end-to-end data pipelines using Python (PySpark, Pandas) on Azure Databricks, orchestrated with Azure Data Factory, reducing data processing time by 30% and enabling 20+ business reports. Leveraged Azure SQL Database, Blob Storage, and optimized SQL scripts to improve scalability and reliability.
 - OCR-based Invoice Processing Automation for FMCG Client:** Developed an OCR-based invoice processing solution using Python and Automation Anywhere, improving document processing speed by 50%. Trained an AI-powered OCR model in Python (achieving 90%+ accuracy) and automated data extraction and validation workflows, cutting manual intervention by 60%.
 - Data Quality & Optimization:** Built robust data-cleaning pipelines with PySpark and SQL, reducing invoice processing errors by 85% and enhancing reporting accuracy. Automated data validation steps to ensure compliance with business rules.
 - Cloud Integration & Data Transformation:** Migrated and transformed data with Python-based ETL pipelines, optimized queries by 25%, and scaled workloads to handle 100M+ records. Implemented monitoring and logging to ensure reliable production runs.
- Web Colors Digital – Mumbai, India**
Web Development Intern – Nov 2022 – Apr 2023
 - Client Website Optimization:** Designed, developed, and optimized websites for 3 clients using HTML, CSS, JavaScript, and PHP, improving site performance and load times by 25%.
 - Dynamic Feature Development:** Built interactive, JavaScript-based components to enhance user engagement and modernize client websites.
 - Cross-Functional Collaboration:** Worked with design and development teams to deliver fully functional, responsive web apps on schedule, increasing client satisfaction and ensuring 100% on-time delivery.

PROJECTS

- AI-Based Recommendation System and Calorie Counter (ML, Nutrition, Flutter):** Developed a mobile app that uses **Python ML models** to recommend recipes from available ingredients and track calorie intake. Tech: Flutter, Firebase, Python (April '23)
- Python-based Vaccine Slot Finder (API, Automation):** Created a console tool in **Python** to fetch real-time COVID-19 vaccine slot availability via CoWIN API, aiding dozens during peak demand. Tech: Python, REST API (July '21)

SKILLS SUMMARY

- Languages:** Python, JavaScript, SQL, Java, Dart, C++
- Frameworks:** Pandas, PySpark, Flask, Django, Node.js, React, TensorFlow, Keras, Scikit-learn, LAMP
- Tools:** Azure Data Factory, Databricks, Azure Datalake, Automation Anywhere, UI Path, Power BI, Git, Firebase, PostgreSQL, MySQL, SQLite
- Platforms:** Windows, Linux, Web, AWS, GCP, Azure, IBM Cloud
- Soft Skills:** Leadership, Event Management, Public Speaking, Technical Writing, Time Management

AWARDS & CERTIFICATIONS

- Star & R Award for Team Performance by PwC – April 2024**
- Advance Automation Certification by Automation Anywhere – November 2024**
- Azure Data Factory from LinkedIn Learning – March 2024**

VOLUNTEER EXPERIENCE

- Graphics & Creatives Committee Member – TechVanza'21** Mumbai, India
Handled design and branding for UPG College's annual tech fest, boosting event engagement. *2021*
- Electoral Literacy Club (ELC) – SVKM's UPG College** Mumbai, India
Promoted voter awareness and helped students with Voter ID Registrations *2021*
- Drama Committee – BSGD College of Arts, Science and Commerce** Mumbai, India
Contributed to event planning and cultural performances, competing in prestigious events like IPTA. *2019 – 2020*