

ABHISHEK MALAVIYA

MSc in Computing (AI), Dublin City University

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[LeetCode](#) [HackerRank Certificates](#) [Hugging Face](#) [Ready Tensor](#)

Technical Skills

Languages: Python, SQL, R.

Web Development & API: RESTful APIs, X(Twitter) API, HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Bootstrap

Tools & Platforms: VS Code, Google Colab, Oracle SQL, Apache Studio, Jupyter Notebook)

Frameworks & Libraries: NumPy, Matplotlib, Pandas, NLTK, spaCy, Scikit-learn, PyTorch.

Data Analysis & Visualization: Power BI, MS Excel, Matplotlib, Pandas, Numerical Analysis

Relevant Coursework

- DSA
- Frontend Development
- Web Development
- Web Design
- Problem Solving
- Financial Analysis
- Probability and Statistics for Machine Learning

Projects

SAKEC Alumni Management System | *PHP, MySQL, Apache Server, HTML* | [View Project](#) **September 2022**

- Designed and implemented a database-driven web application for alumni tracking.
- Created a user-friendly and responsive login system for Admin and Alumni, including a Sign Up page for new Alumni.
- Implemented alumni data storage and management on an Apache server, accessible via the Admin page.
- Enabled alumni to search and view information of other registered alumni while allowing Admin to manage the database.

Rick and Morty Wiki | *React JS, Node JS, RESTful API, CSS3, HTML5* | [View Project](#) **June 2023**

- Developed a Rick and Morty Wiki website with filtering, pagination, and dynamic navigation for a user-friendly experience.
- Created dynamic pages for each character with detailed information.
- Optimized the web page for seamless mobile usability.
- Built a Node.js backend to fetch and process RESTful API data, ensuring high performance and scalability.

Stock Market Volatility & Sector Dynamics | *Python, PowerBI, Time-Series Analysis* | [View Project](#) **November 2024**

- Conducted time-series analysis on historical stock market data using Python to identify volatile periods and sectoral dynamics over decades, demonstrating data-driven decision making in financial markets.
- Analyzed sector-specific trends, leveraging Pandas and Matplotlib for visualization, optimizing trading strategies and reducing risk exposure.
- Developed insights into market behavior for financial analysts and investors using advanced statistical techniques, enhancing efficient trading operations.
- Created interactive data visualizations using Power BI.

Education

Dublin City University, Ireland

MSc in Artificial Intelligence (On Going)

August 2025

Dublin, Ireland

University of Mumbai

Bachelors in Computer Engineering (CGPA: 7.95)

May 2024

Mumbai, India

Leadership / Extracurricular

Co-Head at SCCC

Co-Founder

May 2024

SAKEC Content Creators Club

- Operated and co-founded a student-oriented committee, demonstrating strong leadership, effective communication, and analytical problem solving.
- Managed the executive board and conducted weekly meetings to oversee progress, applying a logical and data-driven approach to decision making.
- The committee's goal is to develop a student-friendly social media platform that highlights major college events such as Pratistha, as well as traditional festivals celebrated within the college community.
- This emphasizes **leadership, development, and communication**.