# VETRIVEL MAHESWARAN

Rochester, New York

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## EDUCATION

**M.S. Information Technology and Analytics |** *GPA: 4.0/4.0* **2025 - present**

*Rochester Institute of Technology* *Rochester, New York*

**B.E. Computer Science and Engineering |** *GPA: 8.9/10.0* **2020 - 2024**

*R.M.K. Engineering College* *Chennai, India*

## INTERNSHIPS

**Administrative & Tech Intern | CodSoft** **July 2024 - Aug 2024**

I worked on data analysis project utilizing Python, Excel, and its framework. Performed data entry and managed Excel spreadsheets for tracking sales metrics. Gained experience working remotely and managing time effectively.

**Machine Learning Intern | Barola Technologies** **July 2023 - Aug 2023**

During my Machine Learning internship, I learned about various ML models and algorithms, including regression, classification, and clustering, and how to apply them to solve real-world problems.

## SKILLS

**Programming Languages:** Python, MySQL, HTML, CSS

**Data Analysis & Visualization:** Python Libraries, R, Microsoft Excel, Power BI, Tableau, Minitab

**Software Tools & IDEs:** VS Code, Git, GitHub, Eclipse, Jupyter Notebook, Google Workspace, MS Office

**Analytical & ML Libraries:** Numpy, Pandas, Seaborn, Matplotlib, Scikit-learn, Keras, Plotly, SciPy, Flask

**Operating Systems & Tools:** Windows, Linux, Command Line (CMD), PowerShell, Terminal

## PROJECTS

**Employee Management System** **Mar 2025**

It is a web application built using Flask, with MySQL as the database and HTML&CSS for the front-end, designed to manage employee records with features like registration, editing, and role-based access control.

**Walmart Sales Data Analysis** **Feb 2025**

It is an end-to-end data analysis solution on Walmart Sales Data, leveraging Python for data processing, SQL for advanced querying, and structured problem-solving to extract critical business insights and build data pipelines.

**Sales Prediction using Python** **Aug 2024**

Built forecasting models using Python and Excel spreadsheets for report visualization. Demonstrated attention to detail and ability to extract business insights from datasets

**Smart detection of car defective parts with recommendations** **Dec 2023 - Mar 2024**

Machine Learning with Convolutional Neural Networks (CNNs) for detecting and classifying car damage, using Python libraries such as TensorFlow, Keras, and a QR code generation library for output display. Built a Flask Web App that allows users to upload car images and receive real-time damage analysis, leveraging trained CNN models for accurate predictions.

## ACHIEVEMENTS

- Aspiring Minds Computer Adaptive Test (AMCAT) Certifications, Nov 2021 to Jun 2023.
- National level E-Quiz on “Core Java Programming”, Oct 2022 to Nov 2022.
- Bronze Medal recognition on “SkillRack”, Sep 2022.
- Provided guidance on research presentation structure and delivery during my Undergraduate research project.

## CERTIFICATIONS

- Basics of Python - Infosys Springboard
- Database Management System - Infosys Springboard
- Python Basics for Data Science - IBM
- Google Cloud career readiness Associate Cloud Engineer track - Google
- Digital Skills: User Experience - Accenture