

# VETRIVEL MAHESWARAN

Rochester, New York

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## EDUCATION

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### M.S. Information Technology and Analytics

*Rochester Institute of Technology*

**2025 - present**

*Rochester, New York*

### B.E. Computer Science and Engineering

*R.M.K. Engineering College*

**2020 - 2024**

*Chennai, India*

*CGPA - 8.9/10*

## INTERNSHIPS

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### Codsoft | Data Science

**July 2024 - Aug 2024**

Developed a data analysis project called "Sales Prediction" using a Kaggle dataset with Python, applying techniques to analyze data, extract insights, and build predictive models for outcome prediction.

### Barola Technologies | Machine Learning

**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.

## TECHNICAL SKILLS

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- **Skill Set:** Python, Java, MySQL
- **Web Technologies:** HTML, CSS
- **OS:** Windows, Linux
- **System tools:** Cmd, Terminal, PowerShell
- **Developer tools:** VS code, Git, GitHub, Eclipse
- **Productivity Software:** MS Office and related tools
- **Frameworks & others:** Pandas, Numpy, Flask

## PROJECTS

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### Sales Prediction using Python

**Jul 2024 - Aug 2024**

- a Python-based sales forecasting model using machine learning techniques like regression and feature engineering, leveraging Pandas, NumPy, and Scikit-learn in Google Colab to predict future sales and support business decisions.

### 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.

### Fertilizer Recommendation System for Disease Prediction

**Sep 2023 - Dec 2023**

- ML for disease prediction and fertilizer recommendation, utilizing Python libraries such as Scikit-learn and Pandas, with a Kaggle dataset customized with additional inputs.
- Developed a webpage that analyzes crop data and provides real-time disease predictions and fertilizer suggestions, achieving an accuracy score of 85%.

## ACHIEVEMENTS

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- 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.

## CERTIFICATIONS

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- 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