VETRIVEL MAHESWARAN

Rochester, New York

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EDUCATION

M.S. Information Technology and Analytics — **2025 - present**

Rochester Institute of Technology — *Rochester, New York*

B.E. Computer Science and Engineering — **2020 - 2024**

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

CGPA - *8.9/10*

INTERNSHIPS

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

I worked on data analysis project utilizing Python, Excel, and its framework. 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

- **Data Entry & Tracking:** MSOffice, Excel, Word, PowerPoint Presentation & Design
- **Office Tools:** Printers, scanners, telephone systems
- **Skill Set:** Python, Java, MySQL, R
- **Web Technologies:** HTML5, CSS3, JS
- **Operating System:** Windows, Linux
- **System & Developer tools:** Cmd, Terminal, PowerShell, VS code, Git, GitHub, Eclipse
- **Frameworks:** Pandas, Numpy, Flask

ACADEMIC & RESEARCH PROJECTS:

Sales Prediction using Python — **Jul 2024 - 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.

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

- 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