

Swaytha K

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EDUCATION

Karpagam College of Engineering

B.Tech Artificial Intelligence and Data Science | CGPA : 8.60

Coimbatore, IN

November 2022 – May 2026

Vivekanandha Vidhyala Higher Secondary School

12th Grade | GPA: 8.8

Tiruppur, IN

March 2022

PROJECTS

Plant Disease Predictor | Python, OpenCV, CNN, Pandas, Numpy, Scikit-Learn

March 2024 – April 2024

- Built and enriched a CNN model to classify 25 plant species as healthy or diseased using labeled image datasets, incorporating preprocessing techniques like resizing and augmentation to enhance model robustness.
- Implemented the model in a Streamlit app, providing an interactive interface for real-time plant disease prediction while gaining experience with deep learning optimizers and loss functions. Reduced memory consumption by 20%.

Car Ride Cancellation Prediction System | Python, Pandas, Scikit-Learn, Matplotlib September 2024 – October 2024

- Using preprocessing and visualization, a machine learning model was engineered to forecast the cost of cab rides based on historical data with over 10,000 rides. This model included features such as trip duration, distance, and time of day.
- Accuracy improved by 90% after training and evaluating regression models with Scikit-Learn, reaching [insert metric] and gaining expertise utilizing machine learning pipelines to tackle real-world problems.

HR Dashboard Visualization and Covid Analysis | Tableau

March 2024 – May 2024

- Designed an HR analytics dashboard to analyze employee attrition trends, job satisfaction, and demographic data of 2020, offering actionable insights into workforce management.
- Created a COVID-19 dashboard to track state-wise cases, vaccination progress, and testing statistics, enabling data-driven decision-making through visualizations and analytics.

EXPERIENCE

Junior Web Developer Intern

September 2023 – October 2023

Altalya Solutions

Tiruppur

- Altalya is a DPIIT-recognized startup specializing in IT career upskilling, offering expert training, a cutting-edge curriculum, and robust placement support. Supports the education of more than 30 people.
- Created a responsive web application during an internship, demonstrating proficiency in HTML, CSS, and JavaScript relevant to Junior Web Developer. Increased 1000+ impressions in Nicepage.

JavaScript Developer Intern

June 2024 – July 2024

Altalya Solutions

Tiruppur

- Brainstormed and implemented JavaScript solutions, contributing to Altalya Solution's marketing team. Gained 200+ website viewers, and front-end development collaborated effectively within an agile team environment.

TECHNICAL SKILLS

Languages: Java, Python, SQL, HTML, CSS, JavaScript.

Frameworks: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Django, TensorFlow, Keras.

Developer Tools: Git, Github, Docker, MongoDB, Jenkins, Tableau, PowerBI, Excel, VSCode, IntelliJ IDE, Jupyter Notebook, Anaconda Navigator.

Skills: Data Structures and Algorithms (DSA), OOP concepts, Machine Learning, Deep Learning

ACHIEVEMENTS

College 2nd in girly hackathon: Achieved 2nd position in hackathon based on website creation.

Leetcode: Solved 300+ DSA problems. Mainly focuses on medium and hard-level problems.

CERTIFICATIONS

Learnbay: Advanced AI and ML Certification Program

December 2023 – Present

Qlik: QlikSense Business Analyst

September 2024 – November 2024

NPTEL: Foundations of R Software (Silver)

July 2023 – October 2023

NPTEL: Data Analytics with Python (Elite)

January 2024 – April 2024