

SUSMITHA PREMKUMAR

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EDUCATION

ANNAMALAI UNIVERSITY

- Bachelor in Computer Science and Engineering

Cumulative GPA: 8.73/10

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, DBMS, Object Oriented Programming, Data Analysis, Machine Learning

Chidambaram, TN

Nov 2020 - May 2024

ST. PAUL'S GIRLS' HIGHER SECONDARY SCHOOL

- HSC (Computer Science with Mathematics) - 68.8%
- SSLC - 86.8%

Mayiladuthurai, TN

Jun 2019 - Apr 2020

Jun 2017 - Apr 2018

EXPERIENCE

INEURON.AI

Machine Learning Intern

Remote

Jun 2023 – Aug 2023

- The domain of sales and marketing focuses on utilizing machine learning technology to enhance sales strategies, customer targeting and marketing campaigns. Developed frontend and backend for creating web application.
- Collaborated with a team to deploy machine learning solutions and presented findings to stakeholders, enhancing decision-making processes and operational efficiency.

OASIS INFOBYTE

Data Science Intern

Remote

Jul 2023 – Aug 2023

- Led Completed a data science internship where I analyzed large datasets and developed predictive models using Python, Pandas, and Scikit-learn. Conducted data preprocessing, exploratory data analysis, and feature engineering.
- Collaborated with cross-functional teams to deploy data-driven solutions and presented insights to stakeholders, significantly improving business decision-making and operational efficiency.

PROJECTS

BIG MART SALES PREDICTION [\[Link\]](#)

Jul 2024

Predictive Analytics | Store Sales | Machine Learning

- Designed developed a machine learning model to predict sales for Big Mart outlets using **Python, Scikit-Learn and Flask**. Conducted data preprocessing, feature engineering and exploratory data analysis.
- Deployed the final model as a web application, providing actionable sales forecasts that enhanced inventory management and strategic planning

VIRTUAL MOUSE AND HAND GESTURE

Apr 2024

CNN | Keras api | Tensorflow

- To Develop a system that can accurately detect and track hand gestures.
- Implement functionalities to control the mouse cursor, click, drag, and perform other actions using hand gestures. Create an intuitive and user- friendly interface for calibration and setup.

EMAIL SPAM DETECTION [\[Link\]](#)

Feb 2024

Pandas | Numpy | Spam Dataset | Data Science

- Developed an email spam detection system using machine learning techniques with Python and Scikit-learn.
- Optimized model performance through hyperparameter tuning and cross-validation, achieving high accuracy in classifying spam and non-spam emails.

SKILL

Programming Languages: Python, Java(basics), C, Javascript, HTML, CSS, SQL/MySQL

Frameworks & Libraries: Numpy, Pandas, Sklearn, OpenCV, React JS, Flask

Others: Visual Studio Code, Jupyter Notebook, Git, Github.

Languages: Fluent in Tamil and English.

Certifications: PCAP on Python(KodeKloud), Python for Data Science, AI & Development(Coursera), Machine Learning(INeuron.ai), Data Analysis with Python(Freecodecamp)

Interest: Software Development, Backend Development and Data Analysis.