PRASATH

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Motivated **MCA** student with a strong foundation in **data science**, **machine learning**, and **technology**, specializing in machine learning algorithm like **YOLO**. proficient in **Python**, **SQL**, and **cloud platforms** like **AWS**. Hands-on experience with **Tableau**, **Scikit-learn**, and **Pandas** for extracting actionable insights from complex datasets. Skilled in optimizing processes and enhancing operational efficiency to support data-driven decision-making.

SKILLS

Programming and Development:
Python **(**NumPy**,** Pandas, Tkinter**),** SQL **(**MySQL**),** HTML**,** CSS**,** JavaScript

Data Visualization:
Matplotlib**,** Seaborn**,** Tableau

Machine Learning:
Scikit-learn**,** TensorFlow

Tools and Platforms:
Git**,** AWS, Jupyter Notebook

Soft Skills:
Effective Communication**,** Problem-Solving**,** Adaptability**,** Team Collaboration**,** Leadership, Interpersonal Skills, Time Management

EDUCATION

M.C.A Computer Applications   *Jul 2024 - May 2026 (Expected)*
SRM Institute of Science and Technology, Kattankulathur, Chennai
CGPA: **Not declared yet**

B.C.A Computer Applications   *Jun 2021 - Jul 2024*
SRM Institute of Science and Technology, Kattankulathur, Chennai
CGPA: **8.78**

12th Standard - CBSE   *May 2020 - Jun 2021*
G.B Public School, Melmaruvathur, Chengalpattu
Percentage: **66.7 %**

Secondary School Leaving Certificate – SSLC *Jun 2018 - May 2019*
G.B Public School, Melmaruvathur, Chengalpattu
Percentage: **76.7 %**

EXPERIENCE

Freelance Project Developer   *May 2024 - Oct 2024*
- Successfully developed and delivered various technology projects tailored to client specifications, focusing on quality and functionality.
- Managed the end-to-end project lifecycle, including requirement gathering, design, implementation, and client support.

Organizer Lead   *Oct 2023 - May 2024*
LiveWires_, Technical Club of Department of Computer Applications
- Led the organization of 5+ **workshops**, **bootcamps**, seminars, and **Tech Zoom** (Intra-college event).
- Spearheaded **Tech Utsav** (Inter-collegiate symposium) with participation from over 300 students.

Treasurer   *Jun 2024 – Oct 2024*
- As the treasurer of the student club ***LiveWires_***, I efficiently managed the budget, ensuring transparent tracking of all income and expenses. I implemented financial strategies that optimized fund allocation and supported various club activities, fostering financial sustainability and growth.

PROJECTS

Helmet Detection and Number Plate Extraction Using YOLO:

- Developed a system to enhance road safety by detecting helmets and extracting vehicle number plates using YOLO (You Only Look Once) for real-time image processing and detection.

Home Surveillance and Alert Messaging System

- Built a home surveillance system capable of detecting intrusions and sending real-time alert messages to homeowners via an integrated notification system.

LICENSES & CERTIFICATIONS

- **AWS Cloud Virtual Internship**, AWS Academy, 2023
- **AI-ML Virtual internship**, Google for Developers, 2024