MADHANA MUGAN K

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◇ LinkedIn

OBJECTIVE

Motivated and detail-oriented Computer Science student specializing in Cloud Computing, with hands-on experience in data analytics and embedded systems. Eager to apply my skills in real-world projects, contribute to innovative solutions, and continue learning in a dynamic, growth-oriented environment.

EDUCATION

•**Bachelor of Computer Science**, SRM University   Expected 2027
Relevant Coursework: cloud computing

CGPA – 9.24

•**HSC**, Alpha Matric Higher Secondary School   2022-2023
Coursework: PCMC

Percentage – 80%

SKILLS

Programming language - Python, C, C++.

Database – MySQL, MariaDB.

Libraries – Numpy, pandas, MatplotLib, Seaborn, scikit-learn.

Development Software – Qt creator, jupyter notebook, Arduino IDE, Power BI, Tableau.

Soft Skills - Communication, problem solving, Time management, Team Work, Presentation Skill, Decision Making.

EXPERIENCE

Combat Vehicles Research and Development Establishment (CVRDE) – DRDO   June 2025 - July 2025
Project Intern|Vehicle Electronics Division (VED)   Chennai,TN

- Designed and developed an Ammunition Autoloader GUI to enhance user interaction and streamline the ammunition loading process, significantly reducing operational complexity.
- Integrated the GUIs with CAN bus communication to enable seamless data exchange between systems, ensuring high responsiveness and interaction.
- Enhanced technical expertise in areas such as C++ programming, Qt GUI development, and embedded system communication protocols (CAN).

Excelerate (VEmpower Global Strategy Services LLC FZ)   Feb 2025 – Mar 2025
Associate Intern   Chennai,TN

- Worked with real-world company datasets to develop insightful dashboards using Power BI.
- Performed data cleaning and exploratory data analysis (EDA) to uncover trends and actionable insights.
- Derived business recommendations by interpreting visualizations and statistical summaries.
- Strengthened skills in data wrangling, data visualization, and storytelling with data.

PROJECTS

- Digital Instrument Cluster for vehicle using QT
- Ammunition autoloader software using QT & CAN BUS
- Startup Analysis Dashboard
- Traffic Accident Analysis Dashboard