



# AIDEN JOSE PREETH

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## SUMMARY

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Results-oriented Artificial Intelligence and Data Science Engineer seeking a challenging position to apply knowledge in designing and implementing innovative solutions for complex engineering challenges. Track record of success in project management, problem-solving, and cross-functional collaboration. Adept at learning cutting-edge technologies to optimise processes and enhance efficiency in workflow.

## SKILLS

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- **Technical Skills:** Python, SQL, Django, R programming, C programming, Project Management, Scikit-learn, Tensorflow, Matplotlib, Power BI, Robotic Process Automation.
- **Soft Skills:** Leadership, Problem solving, Creative thinking, Team spirit, Adaptability

## PROJECTS

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**Mini Project:** Early Detection of Cardiovascular Decline: Machine learning Approach for ECG Abnormality Predictions

- **Problem Statement:** Provide ML-based analysis of ECG data to accurately identify arrhythmia and related cardiovascular issues in a user-friendly interface.
- **Solution:** Embedding a SVM based algorithm trained on the MIT-BIH dataset into a Django-based Webapp.
- **Tools and languages:** Django, Streamlit, Flask API, HTML, CSS, Render/PythonAnywhere,
- **Impact:** A given raw ECG data of a patient will be preprocessed and given to the ML algorithm whose predictions will support medical professionals in their diagnosis through the webapp.

## WORK EXPERIENCE

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**Quality and Operations lead (COO), RSET IEDC**

**Jan 2023 - Present**

- Responsible for the proper operation of all activities organized within RSET IEDC of which IEDC SUMMIT 2023 was the largest event with over 4000 participants.
- Coordinated Masterclasses to inspire young innovators in entrepreneurship and development with industry leading professionals to a strength of 475 participants.
- Coordinated HackS'US 2023 Hackathon with 400 participants with a prize pool of 2 lakh rupees.
- Coordinated Spin for Sustainability Cyclothon with 140 participants through 25 kms.
- Coordinated a talk session having 63 students with Mr.Rahul Mamman, Founder of HAEAL FMCG as the resource person

## EDUCATION

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**B.Tech with Honours in Artificial Intelligence and Data Science**

**2021 - 2025**

Rajagiri School of Engineering and Technology

- CGPA of 8.92

**AISSCE****2020 - 2021**

St. Antony's Public School

- Completed AISSCE with 91.2%

**AISSE****2018 - 2019**

St. Antony's Public School

- Completed AISSE with 91.4%

**ADDITIONAL INFORMATION**

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- **Certifications:**

- NPTEL Machine Learning - IIT Madras
- NPTEL Deep Learning
- UiPath Diploma of Completion of Introduction to Automation,
- Kaggle Certificate of Completion of Pandas.

- **Awards/Activities:** Participant of TEK-O-THON 2022, a 24-hour Hackathon reinventing the mhealth webapp. Actively participated and organized events in communities such as KSUM IEDC, IEEE and ACM.