

Karruniyah M

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology (RGPT) <i>B. Tech in Electrical Engineering: Major in E-Vehicle Technology - CPI: 7.34*</i>	Amethi, Uttar Pradesh 2022 - 2026
Velammal Matric Hr Sec School <i>Tamil Nadu state board (Intermediate) - Percentage: 92.17%</i>	Chennai, Tamil Nadu 2020 - 2022
S.B.I.O.A Model Matric Hr Sec School <i>Tamil Nadu state board (Matriculation) - Percentage: 93%</i>	Chennai, Tamil Nadu 2019 - 2020

INTERNSHIP

Industrial Intern Kasa Anlagen India Pvt. Ltd. (Indo American Joint Venture) <i>Mentor: Mr. Pramod Balaji, MD</i> <ul style="list-style-type: none">Developed hands-on expertise in Electrical Protection Equipment and Low-Tension (LT) panels, which includes Motor Control Centers (MCC), Power Control Centers (PCC), Automatic Power Factor Control (APFC) systems and Variable Frequency Drives (VFD).Designed and executed the implementation of Direct-On-Line (DOL) and Star-Delta starters for a 15KW motor, ensuring safety and performance.	May 2024 - July 2024 Chennai, Tamil Nadu
Winter Intern R.K.M Powergen Pvt. Ltd. (Coal based thermal Power Plant) <ul style="list-style-type: none">Performed a in-depth analysis of the Single-Line Diagram (SLD).Gained practical knowledge of switchgear systems and effective maintenance methods for transformers as well as electrical panels.	Dec 2023 - Jan 2024 Raipur, Chhattisgarh

PROJECT

Battery Management System <ul style="list-style-type: none">Designing a battery model for electric vehicles to accurately estimate key battery parameters and simulate its performance, which is crucial for extending battery life in various operating conditions, enhancing energy efficiency and vehicle performance.	Ongoing
House Price Prediction  <ul style="list-style-type: none">Implemented a house price prediction model using Python and machine learning techniques, utilizing 20,640 samples across 9 distinct features. The process included data preprocessing, feature selection, and model evaluation through various regression algorithms.	Oct 2023
Diabetes Prediction  <ul style="list-style-type: none">Developed a machine learning model in Python to predict diabetes onset using a dataset of 768 samples with 9 key health metrics. Achieved an accuracy of 71.43% on the test dataset. The project utilized classification algorithms and data analysis techniques to facilitate early detection and promote proactive healthcare management.	Sept 2023

TECHNICAL SKILL

Software and Modelling Tools: AutoCAD, MATLAB-Simulink, Google Colab, Machine Learning, MS office
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib
Prog. Language: Python, C

ACHIVEMENT & CERTIFICATION

- Finalist** in the Smart India Hackathon (**SIH**) 2023.
- Secured **victory** in **Kabaddi** during Energia, RGPT's Sports Fest, in 2023 and 2024.
- Honored with the **Young Ramanujan** Merit Certificate at the district level in 2019.
- Participated in **Niruthia Nithyalaya's Bharatha Mazhai 5050**, which achieved a place in **Guinness World record** and **India & Asia Book of Records**, 2017.