

Ashwin C Kocheril

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EDUCATION

Muthoot Institute of Technology and Science

Kochi,Kerala

B.Tech in Electrical and Electronics Engineering

Gaduation Date:May 2022

- Passionate and self-motivated individual, seeking for an opportunity in an organization to develop into a professional engineer and to use my knowledge and strengths to achieve the goals of the firm.

WORK EXPERIENCE

Aumento

Kochi,Kerala

Software Development Intern

May 2021 - July 2021

- Programmed reusable, testable, and efficient codes to ensure accurate integration of machine learning models into firm platforms
- Optimizing outputs to match the specific platform
- Created robust code libraries to allow for 80% code reuse across 3 projects; contributing to a 25% increase in productivity.

C-DAC Knowledge Resource Centre

Thrivanathapuram,Kerala

Electronics Engineer Trainee

Oct 2020 - Dec 2020

- Analysed underwater drone development and integration of sensor project
- Participated and honed skills in processor design concepts, smart grids, LVDC architecture, and RF technology
- Performed detailed analyses of environmental conditions and requirements, resulting in the successful development of compatible sensors with a 30% decrease in cost.
- Evaluated processor computational power and integrated sensors enabling the drone to transmit data with a 10% increase in operating speed.

Earth Samvartha Foundation

Mumtanj Nagar,Uttar Pradesh

Sustainable Development Ambassador

Dec 2020 - May 2021

- Generated awareness about ESF's flagship sustainable development project in partnership with the district administration of Ropar district, Punjab
- Created content for outreach & promoted fundraisers for the smart villages project
- Built awareness & engagement among 120,000 citizens of Ropar district for ESF's Smart Villages Project, fostering involvement from the local community & administration.
- Drove a 60% increase in peak website traffic during project launch with targeted marketing efforts comprising 23 digital/print media publications and 5 radio shows.

PROJECT EXPERIENCE

APJ Abdul Kalam University

Hybrid Electric Scooter

Nov 2021 - Apr 2022

- Designed and fabricated a two-wheeler hybrid electric vehicle that operates on both battery power and gasoline
- Optimized fuel economy and reduced environmental impact through the use of an electric motor, battery, and power system
- Improved vehicle dynamics by combining the power of an engine and battery
- Utilized an electric motor to provide additional power for accelerating and climbing hills, allowing for a smaller and more efficient engine

SKILLS & INTERESTS

Skills: C, C++, Java, HTML, CSS, Web Development, Microsoft Office (Excel, Word, PowerPoint)

Interests: Photography and video editing, Outdoor Sports, Active reading, Tech follower

CERTIFICATES AND ACHEIVEMENTS

• Machine Learning- University of London • Artificial intelligence- Stanford University • Cambridge Business English Certificate • Cloud computing - NIT, Calicut • PLC S7 1200/1500 V14 - SIEMENS • VIRTUAL IV - IIT Bombay: Ultra tech, TATA projects, Nestle • Electric Vehicle Hackathon • LIC Student of the Year • Electric and Future Mobility a national event in collaboration with KSEB, PRAVAIG and Kerala VOLVO