



HISHAM V P

SOFTWARE DEVELOPER

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Mannarkad, Palakkad

EDUCATION

B Tech

Cochin University of Science and Technology

2020 - 2024

SKILLS

C

C++

Flutter

3D Designing

3D Printing

Robotics

Arduino

IoT

LANGUAGE

English

Malayalam

Hello, I'm Hisham, a final-year B.Tech student with a passion for software development and robotics. With a strong foundation in coding and a keen interest in automation, I've had the opportunity to create innovative software solutions. Additionally, my experience in 3D design and printing has fueled my drive for creative problem-solving. I'm excited to bring my technical skills and enthusiasm for technology to contribute to challenging projects and drive innovation.

Experience

June - Present

CUSAT FABLAB - Kochi Intern (part - time)

- Played a key role in project planning, including task allocation, resource management, and timeline development.
- Conducted rigorous testing and quality assurance checks on fabricated components to ensure functionality and reliability.
- Collaborated with external partners and clients to gather project requirements and provide updates on progress.
- Demonstrated exceptional problem-solving skills by troubleshooting and resolving technical issues promptly.
- Actively participated in project cost estimation and budget management, optimizing resource utilization.
- Supported the development of standard operating procedures (SOPs) for equipment use and safety protocols.
- Assisted in the implementation of Lean and Six Sigma principles to streamline fabrication processes and reduce waste.
- Organized and led hands-on workshops for students, fostering their interest in STEM fields and digital fabrication.
- Demonstrated adaptability by quickly learning and applying new software and hardware tools as needed for specific projects.
- Engaged in continuous professional development, attending relevant seminars, conferences, and online courses.
- Took initiative to propose and lead improvement initiatives within the Fab Lab, enhancing efficiency and productivity.
- Actively participated in sustainability efforts, exploring eco-friendly materials and fabrication techniques.
- Collaborated with Fab Lab leadership to strategize and implement community outreach programs.
- Leveraged strong communication skills to explain complex technical concepts to non-technical stakeholders.
- Promoted a culture of innovation and creativity, encouraging team members to explore unconventional solutions.
- Showcased projects at industry events and conferences, representing the Fab Lab in the broader community.
- Actively mentored junior team members, providing guidance and fostering their growth within the organization.
- Assisted in the development of grant proposals and fundraising activities to support Fab Lab initiatives.
- Demonstrated a commitment to safety by staying informed about the latest safety regulations and best practices.

PROJECTS

- Robot Control App
- Obstacle Avoidance Robot
- Gesture-Controlled Robot
- Robot Voice Assistant
- Mobile Robot Platform
- Robotic Arm Control
- Robot Path Planning and Mapping
- Robot Soccer Game
- Home Automation Robot
- Robot Telepresence System
- Smart Park
- Placement Management System

○ 2018 - 2020

Robotics Academy - Thazhekode

Robotics Trainer (freelance)

- Fostered a dynamic learning environment by tailoring robotics curriculum and learning materials to meet the diverse needs and interests of students of varying ages and skill levels.
 - Utilized cutting-edge educational technology to create immersive and interactive teaching materials, elevating the overall learning experience.
 - Conducted robotics training sessions and workshops with a strong emphasis on hands-on learning, allowing students to gain practical experience in robot assembly, programming, and testing.
 - Delivered in-depth lessons on robotics principles, coding, and automation, ensuring a comprehensive understanding of the subject matter.
 - Acted as a mentor, providing guidance to students to nurture their problem-solving skills and foster the development of their robotics projects.
 - Offered personalized coaching to address individual learning challenges, adapting teaching methods to accommodate diverse learning styles.
 - Cultivated a culture of creativity and innovation, encouraging students to explore novel ideas and approaches in their robotics projects.
 - Assisted in the organization of robotics competitions and events, providing students with opportunities to showcase their skills and compete with peers.
 - Demonstrated a commitment to staying updated with the latest trends and technologies in the field of robotics, incorporating relevant advancements into the curriculum.
 - Maintained open communication channels with students and their parents, regularly sharing progress reports and providing constructive feedback to support continuous improvement.
 - Managed scheduling, bookings, and administrative tasks associated with freelance training, ensuring a smooth and efficient training process.
 - Instilled a genuine passion for robotics and STEM subjects in students through engaging and motivational teaching methods.
 - Cultivated a reputation for excellence in robotics education, receiving consistent positive feedback from both students and their parents.
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