Curriculum vitae

Hemananth U

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DOB: 14/09/2001

Professional Summary:

As a fresher entering the software development field, I bring a strong appetite for learning and a passion for problem-solving. With a solid foundation in programming languages and a commitment to continuous growth, I am poised to contribute to cutting-edge software projects and make a positive impact. My enthusiasm, attention to detail, and dedication to staying current in the industry make me an asset to any organization.

Experience:

Intern-Delivery at Virtusa Consulting Services Pvt Ltd

(Jan 3, 2023 - Mar 30, 2023)

Throughout the duration of my internship at Virtusa, spanning from Jan 2023 to Mar 2023, I was assigned the responsibility of acquiring proficiency and achieving certification as an AWS Certified Solutions Architect Associate, an objective that I effectively accomplished.

Skill set:

- **Programming Languages:** C, Java.
- **Software:** Robo DK, Robot-Studio, MOTOSIM, ROS, Fusion 360, Tinker CAD.
- **Other software & related skills:** Microsoft Office, Touch Typing (speed 30-45 wpm).
- **Soft skills:** Problem-Solving, Adaptability, Attention to Detail, Teamwork, Continuous Learning.
- **Languages:** Tamil, English.
- **Skills under learning:** Python, JavaScript, SQL.

Certifications: AWS Certified Solutions Architect - Associate (HEQ03L5CZ1F4QD5T)

Education:

Bachelor of Engineering in Robotics and Automation
Sri Ramakrishna Engineering College (SREC), Coimbatore (2020 – 2023)
CGPA: 7.82 (first-class graduate)

Diploma in Electrical and Electronics Engineering
M.I.T. Polytechnic College, Mettur (2017 – 2020)
Percentage: 89 (first-class honors with distinction)

SSLC
St. Mary's Matriculation Higher Secondary School, Mettur (2016 – 2017)
Percentage: 69.4

Projects:

Project Title: Radio-Controlled Airplane Using a 2.5 GHz Six-Channel Transmitter and Receiver

Objective: Develop a low-cost aerial transporter for efficient tool and package delivery.

Duration: 6 months (Diploma Final Year Project)

Description: Designed and built a radio-controlled airplane with a 2.5 GHz transmitter and receiver system. Implemented a payload mechanism for precise delivery of tools and packages.

My role: lead designer and developer.

Outcomes: Demonstrated the feasibility of using radio-controlled aircraft for remote deliveries, showcasing innovation and practical problem-solving skills.

Project Title: Cognitive Face Recognition System

Objective: Create an alternative attendance system using facial recognition technology.

Duration: 3 months (Project, 3rd–4th Semester)

Description: We developed a cognitive face recognition system to automate attendance management. utilized machine learning techniques to identify and authenticate individuals.

My role: lead designer.

Outcomes: Successfully replaced traditional attendance methods, improving efficiency and accuracy in tracking attendance records.

Project Title: AGV using Omni-Wheel for Warehouse Transportation

Objective: Implement automated guided vehicles (AGVs) with omni-wheels for streamlined warehouse logistics.

Duration: 5 months (Project, 5th–6th Semester)

Description: Designed and developed an automated guided vehicle (AGV) equipped with omni-wheels to efficiently transport packages within warehouses. Integrated sensor systems for navigation and obstacle avoidance.

My role: lead designer.

Outcomes: Successfully demonstrated the capability of AGVs to optimize warehouse transportation, reducing manual labor, and enhancing operational efficiency.

Project Title: Real-Time Person Detection Robot with LoRA Communication

Objective: Create a robot capable of detecting humans in disaster scenarios using LoRA communication.

Duration: 6 months (Project, 7th–8th Semester)

Description: We designed and constructed a real-time person detection robot equipped with LoRA communication for disaster response scenarios. integrated sensors and algorithms for accurate human detection.

My role: lead developer.

Outcomes: Developed a robust robot prototype for identifying humans in hazardous situations, showcasing a blend of technical skills and problem-solving abilities.

Declaration:

I hereby declare that the information furnished by me in the above document is correct and accurate to the best of my knowledge.

Place:

Date: **(Signature)**