MANOJ PARTHIBAN

Tiruchirappalli | Ph: +91 8838163880 | manojparthiban2002@gmail.com | LinkedIn | GitHub

SUMMARY

Enthusiastic and Results-driven Computer Science undergraduate and **Certified SAP ABAP Back-End Developer** with strong foundation in software development and proven track record of managing individual responsibilities while collaborating effectively in team environments. Seeking an opportunity to leverage diverse technical skills and innovative mindset to drive impactful solutions while contributing to organizational success.

SKILLS

Technical Skills: Strong foundation in SAP ABAP programming language, Data Dictionary, Reports, Enhancement and Interface (BAPI, BADI), Core Data Services (CDS), including Object-Oriented ABAP.
Languages: SAP ABAP, Python, SQL, Java - OOP.
Tools: ABAP Development Tools (ADT), Microsoft Office Suite, Jira, Azure DevOps, GitHub, Git.
Communication: English (Professional), Tamil (Native).

CERTIFICATIONS/UPSKILLING

SAP Certified Associate – Back-End Developer - ABAP Cloud (Eviden (Atos)) December 2024
Issuing Organisation: SAP
Credential ID: a13889c1-5cfb-4edd-a28f-cd3c5877a3ef

Java Programming for complete Beginners September 2022
Issuing Organisation: In28Minutes - Udemy
Credential ID: UC-b4289e42-b3e2-4392-aa53-e24c5ffef239

WORK EXPERIENCE

Bosch Global Software Technologies Bengaluru, Karnataka
Role: Associate Software Developer Intern/Trainee Feb 2024 - July 2024

- Engineered a Python-based Application to transmit radio diagnostic data from EFR32 radio hardware to the Cloud Head-End system, enhancing data transmission reliability and speed. Analysed Wirepas Radio Application Stack, architected and implemented a mesh networking protocol focused on Sub-GHz frequency RF transceivers, improving network performance and scalability.

EDUCATION

Amrita Vishwa Vidyapeetham Coimbatore, Tamil Nadu
B.Tech in Computer & Communication Engineering 2020 – 2024
Cumulative GPA: 7.82 / 10

Montfort School Tiruchirappalli , Tamil Nadu
Higher Secondary Education (12th) 2020
Percentage: 75.6%

ACADEMIC PROJECTS

Platform-Independent Hydroponic System Controller (Link) September 2023 – March 2024
IoT & Automation Project

- Architected and deployed an IoT-enabled hydroponic system controller that reduced manual monitoring time by 70%, Engineered automated nutrient delivery systems across NFT and Dutch Bucket platforms, maintaining optimal pH levels.
- Orchestrated integration of multiple IoT sensors, achieving 99% uptime and 24/7 remote system control.
- *Tech Stack:* Arduino IDE, Arduino UNO, IoT sensors/actuators, Firebase, Fusion 360, UltiMaker Cura, VS Code, irrigation components.

Road Lane Detection for Autonomous Vehicles (Link) May 2023 – June 2024
Computer vision-based Project

- Spearheaded development of real-time lane detection system achieving 98% accuracy in boundary identification. *(Grade A)*
- Integrated multiple detection techniques (Canny Edge, Hough Transform) reducing false positives by 75%, Implemented Gaussian smoothing algorithms that enhanced edge detection accuracy by 30%.
- *Tech Stack:* Python Libraries and Frameworks, Computer Vision Algorithms, Jupyter Notebook, OpenCV.

TECHNICAL INTEREST

Software Development, Database Management System (DBMS), Internet of Things (IoT), ML & AI.