



Abhilash Patil

Senior system executive

Contact

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- [Linkedin](#)
- [Portfolio](#)
- [Project Repository](#)

Education

- Bachelor of Engineering in ECE
VTU- 7 CGPA 2018-21.
- Diploma in ECE, DTE - 76.4% 2015-18

Skills

- CAN, LIN, UDS, FlexRay
- I2C, SPI, UART, RS232
- Sensors, Actuators, ADC, PWM
- Microcontrollers, Microprocessors
- Embedded systems and Automotive ECU Validation
- HIL, SIL, SDLC
- C, Embedded C, CAPL
- Arduino, STM32, ESP32, ESP8266
- UC4, EBS, SNOW, JIRA
- Vector CANoe, CANalyzer, dSPACE,
- IoT, MQTT, Github
- PCB Design, Easy EDA
- Analog and digital circuits

About me

Embedded systems engineer with 1 year of experience in automotive systems and 1.6 years in IT infrastructure and automation. Skilled in IoT, communication protocols (CAN, I2C, SPI, UART), and diagnostic tools like CANoe, with expertise in testing, validation, and debugging.

Experience

Senior System Executive

Cognizant Technology Solutions

2023 - Present

- Worked as part of the Data Centre Management Team, focusing on automation and infrastructure management.
- Hands-on experience with the UC4 tool for Scheduling and testing automation chains.
- Migration-related tasks and flex deployments for Oracle EBS.
- Development and optimization of UC4 scripts for efficient task automation.
- Managed open uptime operations and user ticket resolution for smooth business continuity.
- Collaborated with cross-functional teams to address and resolve critical issues effectively.
- Gained valuable experience in system administration, ticket management, and process improvement.

Engineer Trainee

Cognizant Technology Solutions

2022- 2023

- Assisted in testing and validation of Electronic Control Units (ECUs) for automotive projects.
- Gained basic exposure to communication protocols like CAN, LIN, and SPI.
- Supported testing using tools such as Vector CANoe and dSPACE.
- Helped develop simple CAPL scripts to automate testing tasks.
- Worked with senior engineers to troubleshoot and resolve embedded system issues.

Embedded Engineer

Unique Tech Designs Hubli

2017- 2018

- Designed and implemented embedded systems using AVR Microcontrollers and IoT devices. -
- Worked on PCB design and hardware integration.
- Hands-on experience with internal communication protocols like I2C, SPI, and UART.
- Conducted testing and validation for hardware modules, ensuring seamless integration.



Achievements & Certifications

- Completed Automotive Embedded Testing course in webtech software solutions banglore.
- Presented a technical paper on Integrated Water Monitoring and Controlling System at BHTC International (2020).
- Presented a technical paper on Multipurpose vertical plotter machine at BHTC International (2020).
- Completed 50+ engineering projects in Embedded Systems and IoT.
- 1st Prize in IEEE Project Exhibition (2019).
- Internship on Embedded Systems and PCB Design at Unique Tech Designs, Hubli.