

AVANISH KUMAR PANDEY

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Embedded Engineer with experience of 1 year in designing and developing low-level device drivers and embedded applications. Proficient in communication protocols (I2C, UART, SPI & CAN). Maintained a good learning curve along with solid contribution to the projects I worked in.

EDUCATION

Galgotias College of Engineering & Technology, Greater Noida, Uttar Pradesh

Bachelor of Technology, Electronics & Communication Engineering, 2019-2023

CGPA: 8.19

Surmount International School, Gorakhpur, Uttar Pradesh

PCM, 2017-2018

Percentage: 75.4 %

WORK EXPERIENCE

MOBEC INNOVATION PVT LTD, Noida, Uttar Pradesh

Embedded System Engineer, September 2023 - Present

- Gained practical knowledge of EV Charging System, portable EV Charger, ESS and control charging mechanism within EV charger & EVs.
- Proficient in interfaces like I2C, SPI, UART, USB, RS485, CAN. Worked with microcontrollers such as STM32F446RE, Arduino UNO (ATmega328P), ESP8266.
- Perform hardware testing, debugging, and software testing and debugging. Implemented real time control of actuators, analyze data from sensor using database and cloud integration.

PROJECTS

- **IoT-Based LED Control System Using ESP8266 with the Database and Cloud Integration.**
- **EV Charging System**
- **Portable Energy Storage System (ESS)**
- **Effective Battery Cooling System for Electric Vehicle**

SKILLS

- C/ C++ Language
- Embedded C,
- MATLAB
- ESP8266, IoT
- Arduino Uno, STM32 board
- Communication protocols (CAN, SPI, I2C, UART).