



# Prateek Jindal

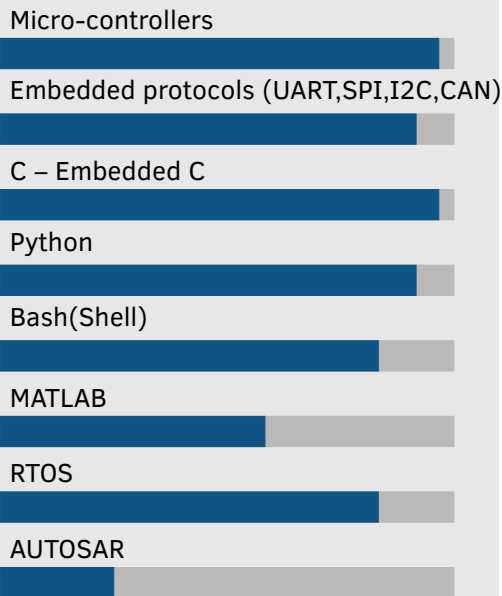
Embedded Software Engineer

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## About me

I am an automotive embedded software engineer with 2 years of industry experience. I design highly optimized algorithms for various embedded boards/SOCs and desktops. I have worked on various multi-processing architectures to designed highly parallelized software that are more performance oriented for real time applications. I am an ambitious and industrious person. Continuous improvement and expanding my radius of understanding in the field is my mantra.

## Skills



## Experience

- 2019–2021 Software Engineer Lear Corporation
- 2017–2017 RnD Engineer Devanya Enterprise

## Education

- 2018-2019 Post Graduaion Diploma in Embedded Systems Pune, India  
CDAC ACTS
- 2013-2017 B.Tech. in Electronics and Communication Uttar Pradesh, India  
Dr.APJAKTU (UPTU)
- 2012-2013 12th Standard (Physics, Chemistry, Maths) Delhi, India  
CBSE
- 2010-2011 10th Standard Delhi, India  
CBSE

## Technical Expertise

- Microcontrollers • AVR • ARM • Cortex M • Cortex R • RTOS
- Embedded C • Python • MATLAB • Shell Script
- USART/UART • SPI • I2C • CAN
- MQTT • REST

## Project Information

### Work Projects

- Lear ConfigurE+ Adaptive Seating System
- Platform Seat Control Module

### Post Grad Diploma Project

- Vehicle exterior lighting system and dashboard control
- Implementation of RTOS on 2 STM32F4 discovery boards
- CAN communication between the two boards acting as dashboard control unit(ECU1) and rear control unit(ECU2)
- UART communication with the PC acting as main dashboard

### Bachelor’s Project (Major)

- Anti Theft System for Automobiles
- Smart system to track a lost or stolen vehicle
- GPS module, to track the location
- GSM module, for communication with user

### Bachelor’s Project (Minor)

- Smart Energy Meter
- Track energy reading at real time
- IOT/MQTT

### Hobbies

- Fitness , Football , Basketball , Music , Travelling