

# Pradyumna Ingle

## Software Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Pradyumna-Ingle/62f2fe2048eb249a](https://indeed.com/r/Pradyumna-Ingle/62f2fe2048eb249a)

I am Pradyumna Ingle, pursuing master's in Computer Engineering at Drexel University. So far I have studied master's level courses like Operating Systems, Computer Architecture, Software Development. Also, I am also getting ready to participate in Linux open source community by participating in Eudypula challenge set by Linux foundation. I am looking for co-op/internship opportunities in the field of Embedded Systems and Operating Systems.

I have worked as a Software Developer in Atos India Pvt. Ltd (Ex- Siemens IT Solutions). For total 3.7 years of tenure, I have developed Bluetooth connectivity solutions for in-car infotainment systems and developed mathematical libraries for AUTOSAR. I have learnt basics of Bluetooth protocols and profiles, RTOS and usage of debuggers during the tenure.

Please visit my LinkedIn profile for more details about my academic projects.

Thank you.

Willing to relocate: Anywhere

Sponsorship required to work in the US

### WORK EXPERIENCE

#### Software Engineer

ATOS - Bangalore, Karnataka - January 2012 to July 2015

##### Responsibilities

- Analyzed Bluetooth Protocols and implemented Bluetooth profiles like HF, A2DP, AVRCP (1.4), PBAP on CSR Bluetooth hardware with Green Hills' Integrity RTOS.
- C and C++ programming, Multithreaded environment.
- Automation testing of in-car infotainment systems.
- implemented, performed automation testing; and documented the AUTomotive Open System ARchitecture (AUTOSAR) mathematical libraries.

##### Accomplishments

- lead a team of 17 fresher joiners on training.
- Responsible for on-project training for 3 fresh joiners for Bluetooth testing.

##### Skills Used

Programming: C, C++

Protocols: Bluetooth, CAN, NFC

OS/RTOS: Green Hills' Integrity RTOS, Linux

Functional: Multithreaded and parallel programming ( Pthreads, OpenMP, SSE), GPU programming (CUDA), FPGA programming, Automated testing, Driver Development, Bluetooth protocol analysis

Tools: Cadence Design Systems, Green Hills' Multi, eBinder, CANoe, Frontline ComProbe Protocol analysis, Siemens' GSIM, IBM Change Management Rational Synergy

## EDUCATION

### **Master of Science in Computer Engineering**

Drexel University - Philadelphia, PA

March 2017

### **Bachelor of Engineering in Electronics Engineering**

University of Mumbai - Navi Mumbai, Maharashtra

June 2011

## SKILLS

C++ (2 years), C (4 years), Python (Less than 1 year), Javascript (Less than 1 year), CSS (Less than 1 year), Bluetooth (3 years), Labview, Java (Less than 1 year), Gem5 (Less than 1 year), FPGA, Change Management (3 years), Testing (3 years), Linux (2 years), Word (4 years), Excel (4 years), Embedded Systems (4 years), CUDA (Less than 1 year)

## LINKS

<https://www.linkedin.com/in/inglepradyumna>

## ADDITIONAL INFORMATION

### TECHNICAL SKILLS

- Programming Skills: C, C++, Python, HTML-5, JavaScript
- Functional: Multithreaded and parallel programming ( Pthreads, OpenMP, SSE), GPU programming (CUDA), FPGA programming, Automated testing, Driver Development, Bluetooth protocol analysis
- Protocols: Bluetooth, NFC, CAN, I2C, Advanced eXtensible Interface (AXI)
- Operating Systems: Linux, Windows
- Tools: Cadence Design Systems, Green Hills' Multi, eBinder, CANoe, Frontline ComProbe Protocol analysis, IBM Change Management Rational Synergy