



PROFILE

Seeking a position of Hardware Engineer as I am associated with role of embedded product Development for more than nine years I can perform confidently. I am fortunate to start as an electronics design engineer in my initial stage at IIT Bombay after which I have been prototyping and programming electronics. Learning new technologies and implementing it. Working closely with electronics schematics design, PCB lay-outing and product 3d cad modeling for Manufacturability, keeping product budget in mind and building most reliable and efficient product is my core skills.

CONTACT

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HOBBIES

Model rocketry
RC Car racing
MUSIC
PIANO

MEET PATEL

HARDWARE Engineer

EDUCATION

- Radio electric institute Mumbai
Diploma in Electronics and video Engineering.
- K.E.S Shroff college of science.
Bachelor of Science in Information Technology.
- Mumbai University
Certified course in embedded system and robotics.

WORK EXPERIENCE

Atomberg technologies Electronics designer

2012 — 2014

- Performed circuit analysis
- reverse engineering products.
- Managed the internal and external client visits.

Proptiger/oobi.in Electronics Product Prototyping

2014 — 2017

- Performed circuit analysis, PCB design and layouting.
- reverse engineering products.
- programming in c/c++/python.
- rapid prototyping and product designing.

Rightclick Innovation Electronics Product Prototyping

2018 --- 2019

- studying and researching new technologies.
- prototyping and feasibility testing.
- design for manufacturing.
- budget evaluation of the product and tie-up with third party company.
- working closely with sales team for client requirements and developments, project management.

EMBEDDED SYSTEM

Protocols – USART, UART, SPI, I2C, RS-485, HTTP.

Development platform – AVR, PIC, STM32, TI, ESP8266.

IoT – MQTT, OVERVIEW OF CoAP, XMPP, AMQP.

OS – Linux, windows, Contiki, RIOT, Brillo

Linux boards – Raspberry Pi, ASUS Tinker Board, Orange Pi with Rock chip, Oodroid.

MS Office – Excel, Word, PowerPoint.

PROGRAMMING LANGUAGES – C, C++, JAVASCRIPT, PYTHON.

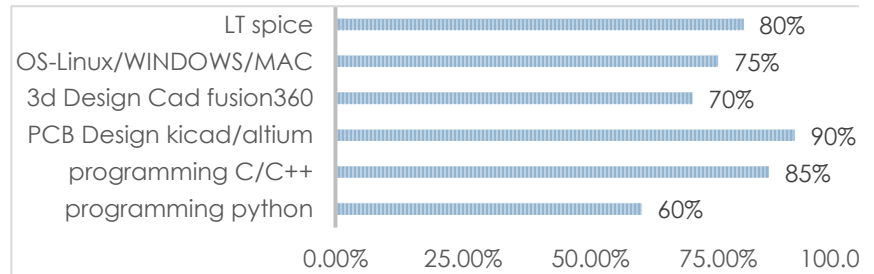
ACHIEVEMENTS

- First PRIZE at L&T INTEGRATE (2012) INTER STATE COMPETITIONS.
- Certificate of Excellence 3 PRIZE TECHFEST IIT BOMBAY (2008).
- Certificate of Achievement at TRICKS (2008) for BEST ROBOTIC DESIGN IIT BOMBAY.
- Certificate of honor for Special Prize at P-Ward level science exhibition. (2008)
- Certificate of honor for P-Ward level science exhibition. (2007)

LANGUAGES –

- Fluent in English.
- Learning German.

SKILLS



FREELANCING Projects

1. IOT SMART APP CONTROLLED LED FIXTURES DEVELOPMENT.

IoT system design
 Performed circuit analysis and PCB design with KICAD.
 reverse engineering IoT products.
 extensive programming in C++.
 implementing MQTT.
 multiple node communication.
 app interfacing
 UI/UX design for IoT beginner level,
 dealing with client requirements and installation.

Completed 200 IoT light fixture development and installation. With watt tracking and color changing.

2. PET BOTTLE RECYCLING MACHINES

Product design.
 Electronics schematics design.
 PCB design.
 Metal fabrication.
 Assembling.
 Software development.

3. HOME AUTOMATION

Product design.
 Electronics schematics design.
 TOUCH PCB design.
 Soldering, Testing, Assembling.
 Software development.

