Dhawal **Patel**

Software Developer

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Education

Qualification	Passing Year	Institute	Aggregate
BE-Computer Engineering	2018	MIT, Pune	1st Class with Distinction
XII-Senior Secondary	2014	BVM (CBSE), Nagpur	90.33%
X-Secondary	2012	St.Montfort School(CBSE), Nagpur	93.08%

Skills Profile

Programming Languages

- Javascript, HTML, CSS, Python, Java, C, C++

Frameworks and other stacks

- Node.js, Angular 6, Redmine, Amazon Web Services: DynamoDB, IOT Core(MQTT), EC2, S3, Cloudfront
- Embedded Systems - Atmega and ARM Cortex M4 micro-controllers, Sensor interfacing and protocols

Experience

Walnut App (A Capital Float Company) *Pune*

Member of Technical Staff *June 2019 - Present*

- Development on the web application that is used by customers and internal employees for various stages of a loan application.
- Tech stack : Angularjs, Angular 6, AWS (S3, Cloudfront), Python (Flask).

GS Lab *Pune*

Software Developer *June 2018 - May 2019*

- Have had the opportunity to work on an IOT domain project from its beginning.
- Worked on various layers of the project in the sequence of Hardware node/module, Gateway, Backend and Web application.
- Tech stack : Nodejs, Angular 6, AWS (EC2, MQTT), Python

Laxmi Civil Engineering Services Pvt. Ltd. *Pune*

Software Developer Intern *July. 2017 - Mar. 2018*

- Development on Ruby on Rails to customize Redmine - An open-source project management web application.
- Involved analysis of business requirement and implementing it as product enhancement.
- Tech stack : Javascript, HTML5, CSS3, Ruby on Rails

Projects

MIT Robocon Team

- Coding of micro-controller based embedded systems for National ABU Robotics contest 2016, 2017 & 2018.
- Implemented PID based closed loop position control and navigation algorithms for Autonomous Robots.

Autonomous Robot integrated with Nvidia Tegra TX1

- Nvidia Jetson TX1 development kit obtained as research grant was used, accounting to the on-board GPU present, for efficient processing capabilities.
- Microsoft Kinect V2 was used for camera and depth data of the robots vicinity acting as feedback for self navigation and skeletal gesture detection.

Real-time Wireless Debugger

- Created an application for real-time feedback of robot parameters at a remote PC.
- The received parameters are displayed on the GUI of application and is logged into a file for efficient debugging.

Honors & Awards

2018 **Finalist**, National ABU Robocon 2018 *Pune*

2017 **3rd Runner Up**, Smart India Hackathon *Amritsar*

2017 **Finalist**, National ABU Robocon 2017 *Pune*

2016 **Semifinalist**, National ABU Robocon 2016 *Pune*