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# ASHWIN PATIL

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## Career Objective

- To obtain a position of responsibilities that utilizes my skills and experience and keen to work in a challenging environment where I can enrich my knowledge.

## Education

**Maharashtra Institute of Technology College of Engineering, Pune** **2016 – Present**

- Bachelor of Engineering in Computer Science and Engineering, **SGPA: 9.116 / 10**
- Relevant Coursework: Object Oriented Programming, Advanced Data Structures and Algorithms, Computer Networks, Discrete Mathematics, Computer Graphics, Database Management Systems, Operating Systems and Microprocessors.

**City International School, Wanowrie, Pune** **2015**

- CBSE 12th Percentage — **87.2%**

**Rustomjie International School, Jalgaon** **2013**

- CBSE 10th CGPA — **9.4 / 10**

## Projects

**Epidemic Monitor — Smart India Hackathon 2019 / Thermo Fisher Scientific** **March 2019**

- Grand Finalist at Smart India Hackathon 2019 where our team was one of the top 4 finalists for a complex problem statement from Thermo Fisher Scientific which had north of 700 submissions from all over India.
- Implemented a Geographic Information System for real-time epidemic mapping, real-time alerts and projection model to predict the spread of the disease.

**Automator** **August 2018**

- Automator makes it possible to have an event-driven, connected world and makes it possible to integrate individual applications to maximize usage and save time.
- The application has various modules which works by various triggers to perform an action which can be individually and remotely activated.
- Project received the highest grade in the department for Software and Development Lab.

**Tensorflow Lite — Object Detection / Image Classification** **December 2018**

- Camera app that continuously detects objects in the frames seen by camera, using quantized MobileNet SSD model trained on the COCO dataset.

**Airline Reservation System** **August 2017**

- Reservation System Mini Project made using C++ and CSV.

**Hospital Management System** **January 2016**

- Management System built with Java GUI and MySQL.

## Research

**Large-Scale Study of Curiosity-Driven Learning** **Ongoing**

- Study of *curiosity* as a type of intrinsic reward function which uses prediction error as reward signal instead of environment rewards that are extrinsic to the agent.

## Additional Experience and Achievements

- Team Leader of the team selected for Smart India Hackathon 2019 Grand Finale *out of* 57,897 idea proposals, 34,000+ teams and over 200,000 student participants from all over India.
- **4 Star** Competitive Programmer on CodeChef. (~ top 2%)
- Volunteered for **Aarohan – The Cultural Fest**

## Languages and Technologies

Experienced — C/C++, Java, Python, Android, MySQL, MongoDB, HTML5 ,CS3
Familiar — Javascript, PHP, Matlab
Tools — Git, Tensorflow, Android Studio, Linux