

# Harsh Mahajan

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## EDUCATION

### NIT TRICHY

B.TECH IN ELECTRICAL AND  
ELECTRONICS ENGINEERING  
MINOR IN COMPUTER SCIENCE

Expected graduation : July 2020

Overall CGPA: 8.67

### GLOBAL INDIAN INTL SCHOOL

Grad. May 2016 | Singapore

12th Grade: 96.6%

## CERTIFICATIONS

GOOGLE CERTIFIED ASSOCIATE  
ANDROID DEVELOPER

## LINKS

Google Play Store

Developer ID - 'Harsh Mahajan'

Github:// Harsh2098

LinkedIn:// harshmahajan2098

## SKILLS

### PROGRAMMING LANGUAGES

Proficient:

C++ • Java • Kotlin

Familiar:

JavaScript • Python • HTML • Go

### FRAMEWORKS

Android Jetpack • NodeJS • GRPC

Firebase • Espresso • React

### TOOLS

Android Studio • Git • MySQL

Google Cloud Platform • Docker

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Computer Organization

Operating Systems

Numerical Methods

Data Comm. and Networks

Big Data Analytics

Fourier Transforms

## EXPERIENCE

### MICROLAND LIMITED | TECHNOLOGY INTERN

May 2019 – July 2019 | Bangalore, INDIA

- Developed an API capable of **extracting and parsing data** from any **IT Service Management tool** like ServiceNow ITSM.
- API contains **highly configurable settings** to display data as per admin rules.
- API was written using Express framework and tested using Mocha framework.

### LEMNIS TECHNOLOGIES | SOFTWARE DEVELOPER INTERN

May 2018 – July 2018 | SINGAPORE

- Developed an **app for varifocal VR headset** to work with Daydream SDK.
- Created **VR environments** using Google Seurat for 6 Degree of Freedom VR headset.
- Added android Jetpack components to the existing Lemnis service which **reduced boilerplate code by 40%**.

## PROJECTS

### SG PARKING | Nov 2017 – PRESENT | PLAY STORE

- Developed an android app containing **machine learning model** which **suggests parking lots** in malls and residential areas of Singapore.
- ML model is based on multivariate regression and suggests parking lots depending on **availability, traffic, weekday and location**.
- Google Play Store : **2000+ downloads** with rating of 4.6/5.0

### DALAL STREET | DEC 2019 – MARCH 2020 | PLAY STORE | GITHUB

- Developed a multiplayer stock market game with a server that provides **gRPC API written in Golang** to support hundreds of concurrent requests.
- Google Play Store : **2000+ downloads** with rating of 4.3/5.0

## PUBLICATIONS

### APPLICATION BASED ANALYSIS OF INDUCTION MOTOR

NATIONAL POWER ELECTRONICS CONFERENCE 2019 (IEEE) 1570586883

Developed an Android app to **predict the performance** of any induction motor from its name-plate details. App also shows the **predicted torque-slip characteristics** in graphical format.

## OPEN SOURCE

### SCIKIT-LEARN | PYTHON MODULE FOR MACHINE LEARNING

Link: <https://github.com/scikit-learn/scikit-learn/>

Pruned unused parameters and dependencies in estimator tests which **enhanced readability and simplified testing**. Scikit-learn has more than 39,000 stars on GitHub.

## ACHIEVEMENTS AND EXTRA CURRICULAR

2019 Head, Web Operations

2018 Core Member

2016 All India Rank 5849

2015 Solved 3x3 cube in 19.47sec

2012 Distinction in Electronic Keyboard

EEE Association 2019-20

Webteam, NIT Trichy

IIT JEE Mains Exam

NUS Open '15, Singapore

Trinity College London