



**Name:** Khem N Agarwal

**Ph. No.:** +91-8879953141 **E-Mail:** khemagarwal1@gmail.com

**Information Technology Engineering**

### **Academic Qualification:**

B.E. Information Technology (Expected Graduation June 2021)

Thakur college of engineering and technology.

Current Aggregate: 8.8cgpa

Semester V	December 2019	9.56cgpa
Semester IV	June 2019	8.92cgpa
Semester III	January 2018	7.92cgpa

Diploma      Thakur Polytechnic, Mumbai      May 2018      80.5 %

S.S.C.      Dr. S. R Vidyalaya, Mumbai      March 2014      89.4 %

### **Internships & Certifications:**

- Current Internship- Bhaktivedanta Hospital & Research Institute
- Graviton Media tech. Internship (Website development, Android & iOS App Development)
- Digital Marketing Internship (Website development using wix, Google AdWords, Facebook marketing)
- Certification-Android Oreo App Development
- Certification-Java & Python NPTEL Certified

### **Projects Undertaken:**

- **Automatic tail light system (Techgig hackathon 2018 first prize winner)** October17-June 18  
Developed an android map application that will atomically control vehicle's indicator.
- **Record management system for healthcare** November17-March 2018 Designed a web application for record management system for healthcare through which Doctors could store and maintain patient records easily and efficiently which will allow patients to view and display their medical history for future use cases
- **Railway motorman user guide** October-December 2018  
It is a western railway project which I received from an internal authority of railways board. It was a mobile application which guides motorman to carry out standardized procedures of handling worst case scenarios during the run.
- **College Community problem solving mobile application** February-April 2019 It's a go to problem solving or asking android and web-based platform for every student teacher who want to ask solve and learn new things.
- **Step2Fame** (Talent hunt application) January 2019- January 2020 It's a web application as well as it is on both android and iOS platforms. It is a talent hunting platform that various agencies will use to find various fresh talent from vast number of fields. (Eg. Acting, dancing, singing etc.). It's also a great platform for the talents from all over the world to represent themselves and find their dream jobs.



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- **Dynamic Traffic Light system (Manipal Techtatva hackathon 2019 Runner up)** Aug19-Present  
This system performs object detection on the cctv cameras installed and finds out the number of vehicles in each lane and according to that dynamically the timers of green light is being set.
- **Warning System For Driver (Selected in SIH 2020)** Present-  
With the help of object detection detect speed limit sign boards and alert the driver if his/her speed is greater than the speed limit. For efficiency of the product we have also included google maps api into it.

### **Technical Skills:**

- **Languages:** C, C++, Core Java, Advanced Java, JavaScript, HTML5, CSS3, Basics of Python.
- **Database Technologies:** SQL, Firebase (Real time database and Firestore)
- **App Development:** Android App Development (Target API level 28), Hybrid App development (Cordova).
- **Machine learning:** basics of object detection and classification using TensorFlow and Google's Teachable machine.
- **Other Software Skills:** Operating Systems, basics of computer graphics, advanced database management system, computer networking.
- **Software and Tools:** Android studio, Visual Studio 2017, Visual studio code.
- **Microcontrollers and Embedded systems-** basics of Arduino uno.

### **Co-Curricular Activities:**

- Techgig 2018 code gladiator's winner in mobility and location services
- Manipal techatva 2019 hackathon Runner up in Traffic management
- Some of my deployed work:
  - 1. <https://www.step2fame.com>
  - 2. Android App:  
[https://play.google.com/store/apps/details?id=com.graviton\\_mEDIATECH.step2fame&hl=en](https://play.google.com/store/apps/details?id=com.graviton_mEDIATECH.step2fame&hl=en)

### **Extra-Curricular Activities:**

- Sports (Swimming).
- Painting.

### **Hobbies & Interest**

- Painting, swimming, building mobile apps, exploring new technologies.

### **Declaration:**

All the information mentioned above in the resume is correct to my best of knowledge and belief.

**Place:** Mumbai