

Khem N. Agarwal

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Education

B.E. Information Technology (Expected Graduation June 2021)
Thakur college of engineering and technology. Current Aggregate: 8.8cgpa

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

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| Diploma | Thakur Polytechnic, Mumbai | May 2018 | 80.5 % |
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| S.S.C. | DSRV, Mumbai | March 2014 | 89.4 % |
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Technical Skills/Proficiencies

- **Languages:** C , Core Java , Advanced Java, Vanilla Javascript, HTML5, CSS3, basics of Python.
- **Database Technologies:** 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.

Projects Accomplished

Automatic tail light system(Techgig hackathon 2018 first prize winner) October 17-June 18
Developed an android map application that will automatically control vehicle's indicator.

Record management system for healthcare November 17-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 an 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 teachers 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). Its also a great platform for the talents from all over the world to represent themselves and find their dream jobs.

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.

Activities

- Techgig 2018 code gladiators winner in mobility and location services.
- Manipal techtatva 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

Interests

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.

Date: 28th February 2020

Place: Mumbai

