### sparsh kishore kumar

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### carrer objective

To obtain a position in reputed organization that will allow me to utilize my technical skills, knowledge and my passion for technology to kickstart my career and my willingness to learn in making an organization successful.

### profile summary

* Good experience in Mobile Development with Native Android/Java using Android studio.
* Good understanding in Designing and Development of web application using HTML 5, CSS3, JavaScript, Node JS.
* Good experience in implementing Internet of Things (IoT) including software and hardware.
* Good experience in configuring and using MQTT broker.
* Good understanding of Circuit design, Logic design, Setup time, Hold time, Combinatorial and Sequential circuits.
* Good knowledge of Cloud computing and using cloud computing services.
* Hands on experience in applying Machine Learning (AI) to real life applications.
* Good UNIX and Linux experience.

### Academic details

|  |  |  |  |
| --- | --- | --- | --- |
| year | qualification | institute | percentage/cpga |
| 2017- Present | B. Tech in Computer Science and Engineering. | Graphic Era Deemed to be University Dehradun Uttarakhand India. | CGPA 8.76 (semester 1 to 5) |
| 2017 | CLASS XII ISC | Carman School Dalanwala Dehradun India. | 60.2% |
| 2015 | CLASS X ICSE | Carman School Dalanwala Dehradun India. | 76.17% |

### Academic Projects

* **AI based IoT Real time temperature and humidity detection device with Android app.**

Skill/Technologies used - Arduino**,** embedded c, android development.

* Covid -19 Tracker Mobile App And Web App for real-time global cases with Growth Rate Prediction.

Skill/Technologies used -Android Studio, Java, RESTful API.

* **Face detection and face lock using Python OpenCV.**

Skill/Technologies used - Machine learning, Python, OpenCV.

* **AI based IoT Smart Water quality detection in home water purifier.**

Skill/Technologies used - **Arduino,** embedded c, android development.

* **Amazon Alexa based smart home automation.**

Skill/Technologies used - **Arduino,** embedded c, android development.

* Automated Railway crossing system (Awarded as best science project by **Graphic Era University** in 2016 and also showcased the project in **Microsoft ICT conclave 2016**). [http://tiny.cc/ihlgdz](%20http:/tiny.cc/ihlgdz)
* Github link - <https://github.com/sparsh308>.

### Technical Skills

**Programming Languages and technologies:** C/C++, Java, Python, embedded c, RESTful API.

Internet of Things (IoT), Arduino, Raspberry pi, Machine learning, Data Science, PCB designing.

**Web Technologies:** JavaScript, HTML, CSS, PHP, SQL, Bootstrap, Django.

**Tools:** Android studio, Flutter(learning), Arduino IDE, Eclipse IDE, PyCharm IDE, GitHub, Anaconda, Orange.

**Editing, UI/UX design, Animation tools:** Adobe Photoshop, Adobe XD, Adobe illustrator, Sony Vegas, Adobe after effects.

### courses And certification

* **Data structures in C++** on **Coding ninja’s India.** <shorturl.at/gnqIX>
* Programming Foundations with **JavaScript**, **HTML** and **CSS** by **Duke University** on Coursera. <https://urlzs.com/icPKV>
* **Python Data Structures** a course of study offered by **University of Michigan**.<https://urlzs.com/E1ucn>
* Successfully completed and received a passing grade in**Introduction to Arduino Programming** a course of study offered by **Institut Mines-Télécom.** <https://urlzs.com/oi9cm>
* Successfully completed the course **AWS Concepts** on 01/20/2019 as taught by **Linux Academy**

<https://urlzs.com/UEuVa>

* Successfully completed and received a passing grade in **Machine Learning with Python** an online course on [**Cognitive Class**](https://cognitiveclass.ai/) an **IBM** initiative.

### Achievements

* Secured a Rank **179 in All India Engineering Aptitude Awards** (AIEAA)-2017 and also received **20% scholarship at Graphic Era University.**
* Won the best working science model in formal event of Graphic Era University for automated railway crossing system.

### sTrengths/abilities

* Ability to learn and apply new technology quickly, understand complex systems and debugging.
* Ability to complete high-quality work on time.
* Good analytical skills.
* Good organizational and time management skills.
* Highly organized and able to work well in a team and with other teams.
* Strong oral and written communication skill including presentation skills.
* Working knowledge of Linux operating system.

### Extra-curricular Activities.

* YouTube channel with over 330000 views. <http://tiny.cc/si5jdz>
* Participated in Mind Spree annual inter school academic and creative festival and showcased the Line following robot project (2016-2017). <http://tiny.cc/jz6ldz>