

# Khushkumar Patel

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## Education

### Ganpat University 2015 - 2019

B.Tech. Computer Science and Engineering  
(Specialization: Cloud Based Applications) in association with IBM  
CGPA: 8.34/10.00 | Grade: A (till 6th Semester)

## Job Offer

### Tata Consultancy Services Ltd. (TCS) Sep 2018

Assistant System Engineer - Trainee  
Offer Letter received through Campus Placement

## Internships

### Azilen Technologies Pvt. Ltd. Dec 2019 - Present

Machine Learning Internship | Full-time

### Let's Nurture Infotech Pvt. Ltd. Jun 2016 - Apr 2017

Industry Internship - Team Lead | Part-time  
Project: KarConnect - IoT based real time vehicle diagnosis and driving behavior monitoring platform

### Cyber Green Defence Jun 2017

Summer Internship | Full-time  
Project: Sanjeevani Hospital - Hospital Management System

### Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI) Jun 2015

Summer School Internship | Full-time  
Guide: Prof. Anil Gupta, IIM Ahmedabad

## Projects

### Heart Disease Prediction | Machine Learning Fall 2018

Tools Used: Jupyter Notebook, Spyder, Weka, RapidMiner  
Models: Naive Bayes, Decision Tree, AdaBoost, Ensembling Method

### Emergency Fire Exit System in Bus | IoT and Cloud Fall 2018

Tools Used: Raspberry Pi 3, Arduino Uno, ThingSpeak, IBM Cloudant, Android Studio  
Sensors: MQ2 Gas Detector, Temperature and Humidity, Servo Motor, GSM900A, GPS Sensor, 16x2 LCD Display

### KarConnect | IoT and Python 2016 - 2017

Tools Used: Raspberry Pi 3, Arduino Uno and Mega, On Board Diagnostics (OBD-II), OBD Simulator, Automosys Dongle Simulator  
Sensors: PIR Motion Sensor, Ultrasonic Sensor, Servo Motor, DHT11, HC05, 16x2 LCD Display

### Funding Stack | J2EE and IBM DB2 Fall 2017

Tools Used: Eclipse Neon, BootStrap, IBM Rational Application Developer, IBM DB2  
Modules: Live chat between Innovator and Sponsor, Image Handling, Mail API, Database Administrator, Front-End Development

### **Apps Control Docker | Python (Linux)**

**Spring 2017**

Tools Used: Python GUI, Tkinter, Ubuntu v16.04, Inkscape

Modules: Ubuntu Docker, Customization, Access Operating System

### **Airline Reservation Management | Java and MySQL**

**Fall 2016**

Tools Used: IBM Rational Application Developer, MySQL

Modules: User Login, Flights Availability, Flight Current Status, Passenger Details, Validation, Short Promotion Video (Marketing)

### **Bank Recurring Deposit System | C++**

**Spring 2016**

Tools Used: CodeBlocks, DevC++

Modules: User Data Manipulations, Recurring System, Withdraw and Deposit, Authentication, GUI and Audio

## **Patent**

### **An Angularly and Laterally Displaceable Seat for Vehicles May 2016**

Patent Application No.: 3548/MUM/2014

Publication Authority: Intellectual Property India

Research Project: Movable Seat for Physically Disabled in Cars

## **Scholarship**

### **Tuition Fee Waiver Scheme**

**2015 - 2019**

Fully funded scholarship for undergraduate engineering program; funded by State Government

## **Honors**

- Facilitator for Google Applied CS Skills program
- Recipient of the PyTorch Scholarship Challenge from Facebook
- Won "Honor Medal" in I-SWEEEP 2016 International Science Fair at Houston, Texas (USA)
- Received prestigious "IGNITE Award" by Dr. APJ Abdul Kalam (Former President of INDIA) from National Innovation Foundation

## **Technical Skills**

- **Programming :**  
Python, Java & J2EE, C/C++, Shell Scripting
- **Data Science Tools :**  
Jupyter Notebook, Spyder, Weka, RapidMiner Studio, Canopy  
MATLAB
- **Cloud :**  
IBM Bluemix, Amazon Web Services
- **IoT :**  
Raspberry Pi, Arduino, Sensors, Micro Controller
- **Database :**  
MySQL, IBM DB2, MS SQL
- **Web :**  
HTML/HTML5, CSS, JavaScript, Bootstrap, Responsive Design,  
UI/UX Design
- **Other :**  
GitHub, LaTeX, Digital Media
- **OS :**  
Linux (Red Hat RHEL7, Ubuntu), Windows

## **Badges Earn**

- IBM Machine Learning with Python
- IBM Applied Data Science with Python
- IBM Python for Data Science

<b>Certifications</b>	<ul style="list-style-type: none"> <li>◦ IBM Cloud Application Developer 2018 - Mastery Award</li> <li>◦ Google Applied CS with Android</li> <li>◦ Google Cloud Platform Fundamentals</li> <li>◦ Google Code-In 2015</li> <li>◦ Scientific Computing using Python by FOSSEE, IIT Bombay</li> <li>◦ LaTeX Training Certificate by Spoken Tutorial, IIT Bombay</li> </ul>
<b>Participations</b>	<ul style="list-style-type: none"> <li>● SAS Business Analytics and Data Mining Championship 2018</li> <li>● Microsoft India AppFest</li> <li>● Intel Tech Challenge</li> <li>● TCS IT Wiz</li> <li>● Google Science Fair 2014</li> </ul>
<b>Roles</b>	<ul style="list-style-type: none"> <li>◦ Student Co-ordinator, Training and Placement Cell at Ganpat University</li> <li>◦ Student Co-ordinator, Student Publication Associations Committee at Ganpat University</li> <li>◦ Active Member at Google Developers Group Ahmedabad</li> </ul>
<b>Industrial Visits</b>	<ul style="list-style-type: none"> <li>● NASA Space Center Houston, USA</li> <li>● IBM India Pvt. Ltd. Pune, India</li> <li>● Extentia Information Technology Pune, India</li> <li>● Centre for Development of Advanced Computing (C-DAC) Pune, India</li> <li>● eClinicalWorks Ahmedabad, India</li> </ul>