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Khushkumar Patel

Tech Enthusiast - Ignite Teenovator

Internship Objective

To associate with an esteemed institution that provides an opportunities to utilize skills, improve knowledge with latest trends and to be a part of the team that works dynamically towards the success.

Area of Interest

- Machine Learning
- Python Programming
- Internet of Things (IoT)
- Cloud Computing

Education

B.Tech. Computer Science and Engineering (Specialization : IBM Cloud Based Applications)   2015-Present

U. V. Patel College of Engineering, Ganpat University
Grade : 8.34 CGPA (upto 6th Semester)

Class XII (Science)   2013-2015

Gujarat Secondary and Higher Secondary Education Board
Grade : 83.52 Percentile

Class X   2012-2013

Gujarat Secondary and Higher Secondary Education Board
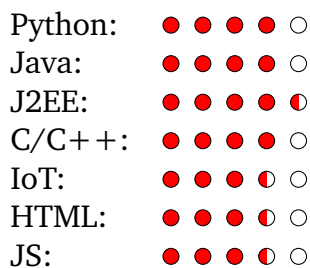Grade : 96.18 Percentile

Experience

Projects

- **Heart Disease Prediction — Machine Learning   Fall 2018**
  Tools Used : Jupyter Notebook, Spyder, Weka, RapidMinder, MATLAB
  Models : Naive Bayes, Decision Tree, Random Forest, AdaBoost, Ensembling Method

- **Fire Exit System in Bus — Internet of Things, 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 — Internet of Things   2016-2017**
  Tools Used : Raspberry Pi 3, Arduino Uno and Mega, On Board Diagnostics (OBD-II), Raspbian OS, Python, OBD Simulator, Automosys Dongle Simulator
  Sensors : PIR Motion Sensor, Ultrasonic Sensor, Servo Motor, DHT11, HC05, 16x2 LCD Display
  Project URL : https://www.karconnect.com

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○ **Funding Stack — Java Enterprise 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 Developer
GitHub Project URL :
`https://github.com/iKhushPatel/Funding_Stack`

○ **Apps Control Docker — Python (Linux)**   **Spring 2017**
Tools Used : Python GUI, Tkinter, Ubuntu v16.04, InkSpace
Modules : Ubuntu Docker, Customization, Access Operating System
GitHub Project URL :
`https://github.com/iKhushPatel/Apps_Control_Docker`

○ **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)
GitHub Project URL :
`https://github.com/iKhushPatel/Airline_Reservation_System`

○ **Bank Recurring Deposit System — C++**   **Spring 2016**
Tools Used : CodeBlocks, DevC++
Modules : User Data Manipulations, Recurring System, Withdraw, and Deposit, Authentication, GUI and Sound
GitHub Project URL :
`https://github.com/iKhushPatel/Bank-Recurring-Deposit-System`

Invention

○ Movable Seat for Physically Disabled in Cars — Automobile with IoT
An objective of this innovation is to provide sliding and rotating seat for a vehicle which aids in ease of getting into and getting out of a vehicle for a needy person; which will facilitate to push-pull, back-forward, up-down and rotational movements of the seat.

Research

○ Patent Title : An Angularly and Laterally Displaceable Seat for Vehicles
Patent Application No. : 3548/MUM/2014
Publication : Intellectual Property India

Internships

○ Project : KarConnect (IoT based real time vehicle diagnosis & driving behavior monitoring platform)
Organization : Lets Nurture Infotech Pvt. Ltd.
Duration : 1 Year (Part-time) under Industry Academia Program

○ Project : Hospital Management System - Sanjeevani Hospital
Organization : Cyber Green Defence
Duration : 1 Month (Full-time)

- NASA Space Center   Houston, USA
- IBM India Pvt. Ltd.   Pune, India
- Extentia Information Technology   Pune, India
- Centre for Development of Advanced Computing (C-DAC) Pune, India
- eClinicalWorks   Ahmedabad, India

Skills and Awards

Technical Skills

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

Awards

- Honor Medal in I-SWEEEP International Project Olympiad at Houston, Texas (USA)
- IGNITE Award from Dr. APJ Abdul Kalam by NIF-India at IIM Ahmedabad
- Google Facilitator for Applied CS with Android program from Ganpat University

Certifications

- Python for Data Science by IBM
- Data Analysis with Python by Cognitive Class
- Scientific Computing using Python by FOSSEE, IIT Bombay
- Python Training by Spoken Tutorial, IIT Bombay
- IBM Cloud Application Developer - Mastery Award
- Google Cloud Platform Fundamentals (CP100A)
- Google Applied CS with Android

- Google Code-In 2015
- Google Power Searching
- Microsoft India AppFest
- Intel Tech Challenge 2016
- TCS IT Wiz 2013
- Udemy Networking Concepts for Beginners
- Digital Wellness Online Challenge
- LaTeX Training by Spoken Tutorial, IIT Bombay
- Google Science Fair 2014

Personal Strengths

- Self Confidence
- Quick Learning Ability
- Positive Attitude
- Good Leadership Quality
- Innovative Nature
- Excellent Observation Power

Profile

- **Full Name** : Khushkumar Harshadbhai Patel
- **Date of Birth** : June 15, 1998
- **Address** : C-10, Madhavwadi-2, K. K. Nagar Road, Ghatlodia, Ahmedabad - 380 061, Gujarat, India.
- **Hobbies** : Creativity, Techie, Fun with Kids, Music, Thinking about Life, Knowledge Gathering