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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 Intern | Full-time
Project: Brand Impact Assessment - Advertisement logo detection in live
sports event and generate statistics for brand impact

Let's Nurture Infotech Pvt. Ltd.   Jun 2016 - Apr 2017
Intern - Team Lead | Part-time
Project: KarConnect - IoT based real time vehicle diagnosis and driving
behavior monitoring platform

Cyber Green Defence   Jun 2017
Summer Intern | Full-time
Project: Sanjeevani Hospital - Hospital Management System

Society for Research and Initiatives for   Jun 2015
Sustainable Technologies and Institutions (SRISTI)
Summer School Intern | Full-time
Guide: Prof. Anil Gupta, IIM Ahmedabad

Projects

Brand Impact Assessment | Deep Learning   Winter 2019
Tools Used: Jupyter Notebook, Spyder, Google Colab
Libraries: TensorFlow, OpenCV, XML, pandas

Flower Species Classification | Deep Learning   Winter 2019
Tools Used: Jupyter Notebook, Spyder, Google Colab
Libraries: PyTorch, Matplotlib, pandas

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

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 degree engineering program;
funded by State Government

Honors

- Google Facilitator for Applied CS Skills
- 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
- Director General Award for Student Achievements from Ganpat University

Technical Skills

- **Programming** :
      Python, Java & J2EE, C/C++, Shell Scripting
- **Data Science Tools** :
       Jupyter Notebook, Spyder, Weka, RapidMiner Studio, Canopy MATLAB
- **ML Libraries** :
      TensorFlow, PyTorch, OpenCV, scikit-learn, Seaborn, pandas, NumPy, Matplotlib
- **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, UI/UX Design
- **Other** :
      GitHub, LaTeX, Digital Media
- **OS** :
      Linux (Red Hat RHEL7, Ubuntu), Windows

Badges Earn
- IBM Deep Learning
- IBM Machine Learning with Python
- IBM Applied Data Science with Python
- IBM Data Science Foundations
- IBM Python for Data Science

Certifications
- IBM Cloud Application Developer 2018 - Mastery Award
- Google Cloud Platform Fundamentals
- Google Applied CS with Android
- Google Code-In 2015
- Scientific Computing using Python by FOSSEE, IIT Bombay

Participations
- SAS Business Analytics and Data Mining Championship 2018
- Microsoft India AppFest
- Intel Tech Challenge
- TCS IT Wiz
- Google Science Fair 2014

Roles
- Student Co-ordinator, Training and Placement Cell at Ganpat University
- Student Co-ordinator, Student Publication Associations Committee at Ganpat University
- Active Member at Google Developers Group Ahmedabad

Industrial Visits
- 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