JIGNESH KUMAR

B.Tech - CSE Engineering
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Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2016 - Present	B.Tech	G.L. Bajaj Institue of Technology and Management, Greater Noida	79% (Current)
2016	Senior secondary	CBSE board	88.0%
2014	Secondary	CBSE board	9.0

Experience

- **Psiborg Technologies Pvt. Ltd.** *Jan 2019 - Mar 2019*
  Designed a Node.JS server with Mqtt for communicating with the OBD device (TI CC3200).

- **Nanotrics Innovation Pvt. Ltd.** *June 2018 - July 2018*
  Worked on the project "Smart Parking" for sending sensor data to the firebase Real time
  database through ESp8266 NodeMCU for controlling the IoT system through Android Application.

Projects

- **ParkOn- Automated Organizational Parking** *Ongoing*
  This is an IoT based paking project for space optimization. Major technologies used in this project
  are:
  1. Node+Express
  2. CSS3 & Bootstrap for frontend
  3. Cloud Api based Car model-recognition on Raspberry Pi
  4. Mqtt as a communication protocol between the H/W and S/W
  This project selected for the Smart India hackathon 2019 Software edition.
  Available on https://github.com/jigneshk5/Parkon

- **Mqtt Automation Server with AWS**
  This is my personal Mqtt Server build with Mosca (node.js module for mqtt). I am using the Mosquitto
  server in AWS cloud (running in virtual server). We can talk to our IoT device using using
  publish/subscribe message queueing model.
  Available on https://github.com/jigneshk5/nodejs-server-mqtt

- **Rental Parking Automation**
  This is an IoT based project for Rental parking automation. It has firebase Back-end including
  firebase authentication & Real time database with Vue js frontend integrating Google maps,
  Encrypted Qr scanner & a Booking system with a real-time dashboard.
  Available on https://github.com/jigneshk5/Vue-parking

- **FullStack Booking System**
  This is Hotel booking system developed with Node JS/MongoDB backend and VueJS(Vuetify)
  frontend. We have used MongoDB database and firebase Authentication.
  Available on https://github.com/jigneshk5/FullStack-Booking-system

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Technical skills

- **Programming languages :** C, Python, Java (Core)
- **IoT:** MQTT, Lora, Raspberry Pi, ESP8266 NodeMCU, TI CC3200
- **Web technologies :** HTML, CSS, Javascript, Jquery, Bootstrap
- **Database management :** mySQL, Sqlite, MongoDB
- **Miscellaneous :** NODE.JS,

- **Tools/Framework:** Github, Firebase, Vue js, TensorFlow, OpenCV, Scikit-learn, Numpy, Git, Arduino IDE, Energia , Code Composer Studio IDE
- **Operating system :** Windows, Linux
- **Cloud Platforms**: AWS, Azure IoT Hub, Google Cloud, IBM cloud, Thingspeak, TheThingsNetwork(TTN), Adafruit.io, CloudMqtt

Certificates

- Node.js Certified Developer , Issuer - Microsoft
- Python programming, Issuer - Microsoft
- Networking Fundamentals, Issuer - Microsoft
- Introduction to Internet of Things , Issuer - NPTEL (77%)
- C programming , Issuer - Cisco Networking Academy
- Introduction to IoT, Issuer - Cisco Networking Academy

Achievements

- **Smart India Hackathon Finalist , Mar 2019 . AICTE | MHRD :**
  Project- ParkOn Automated Organizational Parking

- **Project Selected for KAPPTeC-2019 , April 2019 . AKTU, LUCKNOW**
  Project- ParkOn Automated Organizational Parking

- **Secured 1st position in Inter-college Hackathon :** I have secured 1st position in Inter college Hackathon by developing a working prototype (Hardware+software) on our idea "**Rental Parking Automation**" within 24hrs.

Links

- **Portfolio Website**: http://jigneshkumar.surge.sh
- **GitHub**: https://github.com/jigneshk5
- **Linkedin**: https://linkedin.com/in/jignesh-kumar-841552149/
- **Instructable**: https://www.instructables.com/member/Jigneshk5/
- **HackerRank**: https://www.hackerrank.com/jigneshk5

Extracurriculars

- Participated in "Bluetooth Robotics" workshop organized by Techkriti, IIT Kanpur
- Coordinator at Entrepreneurship Awareness Camp organized by E-Cell, GLBITM