

Karan Shah

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PROFESSIONAL EXPERIENCE

Vision 13 Technologies, USA *Program Intern*

Mar 2018 – Jul 2018

- Developed a Cryptocurrency Trading Bot to determine the best time for selling and buying cryptocurrency.
- Design consists of Web Scraper, WebSocket and API from trading websites.
- Designed a Cryptocurrency mining rig to mine crypto-coins.

Merlin Solar Technologies, USA *Engineering Intern*

Jun 2017 – Sept 2017

- Developed a system for transferring data from solar modules and remotely sending it to user.
- Assembled and designed data logging product for real time visualization of voltage and current.
- Worked in a team of 4, for designing a LabVIEW project that plots real time data from DC Electronic Load.

Emerson Network Power (Vertiv), India *Trainee Intern*

Jun 2015 - Jul 2015

- Studied and examined various components used in UPS, DC power System and AC power System.
- Carried out different tests for UPS and DC power unit.
- Accomplished the task of checking the connections in different power systems.

Omicron Sensing Pvt. Ltd, India *Trainee Engineer*

Nov 2014 - May 2015

- Accomplished the task of testing and debugging various products used in communications.
 - Manufactured PCB layout for communication system containing components such as Wi-Fi, GSM, ZigBee etc.
 - Managed a team of 8 people for developing low cost modules and marketed the product for the company.
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PROJECTS

Cryptocurrency Trading Bot

Mar 2018 – Jul 2018

- Developed a system with user interface for performing cryptocurrency trading.
- The algorithm is coded using NodeJS and can predict future trading values.

IoT based Data Logger

Jun 2017 – Sept 2017

- Created a data logger system to update the values and display the same on website.
- Used Arduino, ThingSpeak, Matlab, SQL and Spring Framework for designing the system

Power House Surveillance

Jan 2017 – Jun 2017

- Developed a surveillance system using the embedded webcam board that can be controlled through website.
- Equipped the system with PIR motion sensor and pan-tilt base for motion tracking.

Personalized Display Frame

Jan 2017 – Jun 2017

- Developed an embedded system that displays personal information of the user such as pictures and calendar.
 - Designed the database and webpage for connecting the system to user's phone along with hardware connections between different components
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TECHNICAL SKILLS

Programming Languages: C, Java, NodeJS, Python, VHDL/Verilog, R, HTML, CSS, SQL

Simulation Software: MATLAB, OrCAD, Xilinx, Proteus, Eagle PCB, Cadence Virtuoso, R Studio, Spyder, Tableau

EDUCATION

Northwestern University

Master of Science in Computer Engineering

Dec 2017

CGPA : 3.7

D. J. Sanghvi College of Engineering- Mumbai University, India

Bachelor of Electronics & Telecommunication Engineering

May 2016

CGPA : 8.39