TEJA SAI GANTA

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EDUCATION

Master of Science, Industrial Technology — **August 2017 - Present**
California State University, Fresno — GPA: 3.4/4

Bachelor of Technology, Electronics and Communication Engineering — **May 2016**
SRM University, India — GPA: 8.0/10

COURSE WORK

Productions & operations Management, Quality Assurance, Vehicle Engine Systems, Applied Spatial Technology, Packaging and Logistics Management, CAD, Data Systems, Automated production and processing technology, Applied Sensor technology, Research Methodology, Advanced Manufacturing systems, VLSI circuits &systems, Power electronics, Green supply chain management, Production and processing technologies, Big data analysis using Tableau or SQL or R programming

CERTIFICATION - Six Sigma Yellow Belt Masterclass that includes a project

TECHNICAL PROFICIENCIES

- **TOOLS:** MATLAB and SIMULINK, Python, Raspberry pi, R programming, C Language
- **COMPUTER SKILLS:** MS Word, MS PowerPoint, MS Excel, MS Office, MS Access
- **SOFTWARE:** Arc GIS, CAD, Python, Wonderware, SQL, Tableau

EXPERIENCE

Graduate Teaching Associate, California State University, Fresno — **July 2018- March 2019**

- Applied Spatial Technology, Arc Geographical Information Systems
- Product Design, Manufacturing and Quality development
- Irrigation selection and water delivery systems

Pawan Hans LTD, Radar and Signal Division Department**,** Mumbai, INDIA — **May – June 2015**

- Detailed Research on Automatic Direction Finder in Signal and Transmission division
- Worked on Black Box and radio communication systems used to transmit data in helicopters

Electronics Corporation of India Limited (ECIL), Hyderabad, INDIA — **January – February2015**

- Investigated the performance of Strategic Electronic Devices (SED) used in communication of army vehicles
- Learnt accounting and networking of data in Computer Education Division (CED)

Cognizance Solutions, Signal Transmission Dep., CHENNAI, INDIA — **May – June 2014**

- Study and experimentation on propagation of waves in antenna and signal transmissions under high noise conditions

ACADEMIC PROJECTS

- **Agricultural monitoring system**
  Designed and implemented a smart irrigation system using multiple sensors, Arduino and Node MCU. Used MATLAB and image processing techniques for identification of various diseases and pests in the crop.
- **Automatic License Plate Recognition (ALPR)**
  Designed and implemented an automatic way to detect the license plate number of fast-moving vehicles, using edge detection system and character segmentation. Used IOT and GSM modules to transmit data to the users and police
- **Home security system**
  Designed a Raspberry Pi home security system with camera and Passive Infrared sensors which is used to capture the motion and send the image as an email
- **Infrared (IR) Sensor Detector**
  Designed a wirelessly controllable device using Infrared receiver and Infrared LED. This device be used as an alarm in case of burglary. Included potentiometer to adjust the range and sensitivity of the detector
- **Manufacturing plant design**
  Platform: SCADA, Software: Wonderware. Designed a manufacturing pistachio processing plant using wizards and successfully implemented a complete automated packaging`
- **Designing of horn antenna using FEKO**
  Implemented a horn antenna using an electromagnetic simulation software tool used for analysis of 3-D structures
- **Tetra Pak Food packaging**
  Detailed study and report on food packaging and processing, distribution of packages, resource management and the SWOT analysis of the multinational company, Tetra Pak

WORKSHOPS

- Conducted a solar robotics organized by Aaruush, SRM University, Chennai — **May 2015**
- Windows app development by KVL Innovations, Chennai — **May 2014**
- Worked as a Committee Member in Operations and Resources Management for Aaruush, Techno management fest.