Rajiv Varma Mantena

Salt Lake City, UT & Hyderabad, India

mantenarajiv@gmail.com @
linkedin.com/in/mantenarajiv in
+1 (513) 266-9878 ☎
+91 99859 07190

Professional Summary

- Highly inquisitive engineer holding a Masters in Robotics and a Bachelors in Mechatronics.
- Expertise across disciplines of mechanical design, mechatronic/embedded design, machine learning, etc.

Education

Master of Science in Mechanical Engineering (Robotics) *Salt Lake City, UT*
College of Engineering, University of Utah August 2015 - May 2017

   Coursework : Classical and Modern Control Theory, Haptics, Machine Learning, Computer Vision

Bachelor of Technology in Mechanical Engineering (Mechatronics) *Hyderabad, India*
Mahatma Gandhi Institute of Technology, Jawaharlal Nehru Technological University 2009 - 2013

   Coursework : Computer Aided Design, Machine Drawing, FEA, Instrumentation, Microcontrollers

Skills

Engineering : Solidworks, ANSYS, MATLAB & Simulink, LabView, Keyshot
Programming : Embedded C, UNIX shell & BASH, Arduino, C++, Python, SQL

Experience

Mechanical Engineer - **Nokē, Inc.**, Lehi, UT & Hyderabad, India Feb 2018 - Present
- Played a key role in expanding the smart-lock product line for *Nokē*. Designed, prototyped and trouble-shot several new products and accessories for verticals ranging from Logistics to Self Storage.
- Worked closely with the firmware team to ensure reliable mechatronic performance of all products.

Volunteer Engineer - **Therapeutic Games and Apps Lab**, Salt Lake City, UT Nov 2017 - Feb 2018
- Implemented a custom gesture recognition algorithm using EMG & IMU sensor data from an armband worn on a person's forearm. Machine Learning models were used to learn and identify custom gestures.

Graduate Intern - **Overstock.com**, Salt Lake City, UT Jun 2017 - Sept 2017
- Optimized the sales prediction models by training several machine learning regression algorithms.

Graduate Assistant - **University of Utah**, Salt Lake City, UT Aug 2015 - May 2016

Asst. Systems Engineer - **Tata Consultancy Services**, Hyderabad, India Jan 2014 - Jul 2015
- Optimized monitoring of application servers and dependent scheduled jobs by creating Shell scripts.
- Helped reduce the number of IT incidents raised. Appreciated with *Star of the Quarter* award.

Undergrad Research Intern - **Centre for AI and Robotics**, Bengaluru, India May 2012 - July 2012

Patents

Electronic Lock and Interchangeable Shackles - US20200242868A1 (US) [link] July 2020
Electronic Lock and Interchangeable Shackles - WO2020154738A3 (World) [link] July 2020