Mrunal Ghom

Email: mrunal818@gmail.com, Mobile: (216)-212-5962
Rochester Hills MI, 48307

PROFESSIONAL SUMMARY

- A passionate **Certified Scrum Master** to act as a change agent and enable a culture in which teams can flourish with enhanced team collaboration in developing high-end products
- A result oriented professional with 3+ years of experience in **Development, Quality Control and Project Management** of Embedded and Electrical Systems
- High experience in working with **key stakeholders** and proficient in leading the **development of a product** with customer satisfaction
- Strong and effective problem solving combined with business acumen

EDUCATION

Oakland University, Michigan   May 2021
Master of Science in Engineering Management, GPA 3.91
Courses: Project Management, Organizational Behavior, Product Lifecycle Management, Enterprise Information System, Operations Management

Sinhgad College of Engineering, Pune, India   May 2015
Master of Engineering in Signal Processing, GPA 3.13

MIT College of Engineering, Pune, India   May 2012
Bachelor of Engineering in Electronics & Telecommunication Engineering, GPA 3.12

EXPERIENCE

GB Controls, Maharashtra, India   Jan 2017-Jan 2019
Head of Quality Control

- Led the **implementation and development** of Low Tension (LT) modules for the stakeholders
- Delivered improvements in energy efficiency which met the customer requirements through **sprint releases**
- **Laid and executed the plans** from designing Printed Circuit Board (PCB) to the product delivery
- **Scheduled and delegated to 4 team members** the task of the **sanity tests and calibration** of modules
- Formulated and translated the new added features to Client in **timely manner**
- **Upgraded** product **performance** with respect to its switching speed using Embedded C
- Performed sanity, **verification test** as per product requirements
- Created **test reports and documentation** of change requests for the modules
- **Collaborated with the Program Manager, R&D developer and Cross functional teams using Agile Framework**
- Implemented the process to **reduce** the number of escaped defects and improved the quality of product delivered to client

GB Controls, Maharashtra, India   Aug 2015-Jan 2017
Research & Development Engineer

- **Researched, developed and enhanced controllers** to create a competitive product in market for great customer satisfaction
- Designed highly efficient and cost-effective modules to give the firm a **profit of more than 20%**
- Worked with Program Manager and the client on the requirements of the controller **as per the industry standards like Automotive, Hospitals and Chemical**
- Researched the **optimal components** and created the required specification sheet along with budget approval with **Finance Department**
- Developed and tested the circuit layout before creation of PCB prototype
- Demonstrated the prototype to the Client and Program Manager before mass production
- Performed sanity tests on prototype using Embedded C programming tool

CERTIFICATIONS

Scrum Alliance, United States   Feb 2021
Certified Scrum Master (CSM)

- Hands on training using Scrum Framework to improve agile practices and values using tools of Trello and Jamboard to co ordinate the daily stand ups, sprint planning, sprint review and sprint retrospective.

ACADEMIC PROJECTS

Leadership and 21st Century, Oakland University   Dec 2020
- The deloitte insights deeply studied and analyzed to understand the change in needs over the period of years to **enhance leadership concepts and its style of execution**

Deepwater Horizon Disaster, Oakland University   April 2020
- Presented critical issues highlighting the biggest oil spill in the history aiming towards **ensuring process safety vs profitability and dysfunction** in British multinational oil and gas company

Kitchen Re-Modeling, Oakland University   August 2019
- Remodeled kitchen using **project management's 5 processes** using management tools such as **Gnatt Chart** following the agile process towards the final product

Direction of Arrival Estimation for Adaptive Antenna Systems, Sinhgad College of Engineering   June 2015
- Calculated angle-of-arrival for each incoming signal in **wireless communication environment** with the help of two direction-of-arrival algorithms, namely MUSIC and ESPRIT with great accuracy using MATLAB

Analog I/O Module with Profibus Connectivity, Sinhgad College of Engineering   July 2011
- Demonstrated the working of Profibus to reconstruct an output in analog form with reliability and accuracy by converting the analog input to digital bits

PUBLICATIONS

Direction of Arrival Estimation for Adaptive Antenna Systems, Sinhgad College of Engineering
Master's Thesis, URL of Published Paper

DOA Estimation Algorithms for Adaptive Antenna Array, NCLTE