Aaradhya Gole, CSM®

agole@ncsu.edu| 919-949-4546 | Linkedin- Aaradhya Gole | Raleigh, NC

EDUCATION

North Carolina State University, Raleigh, NC | **GPA: 3.4 out of 4** **Aug 2024 – May 2026**
Master of Engineering Management with a concentration of Project Management
Relevant Coursework: Introduction To Product Development, Operations Research, AI for Engineering Managers, Project Management, Product Lifecycle Management, Venture Opportunity Analytics

MIT WPU , Pune, India | **GPA: 9.02 out of 10** **Aug 2021 - May 2024**
Bachelor of Engineering (B.E.): Robotics & Automation
Relevant Coursework: Additive Manufacturing, Robot Dynamics & Manipulator Design, Augmented Reality, Finance and Costing for engineers, Sensor Technology, Introduction To Data Science, Python.

SKILLS & CERTIFICATIONS

- **Tools:** Microsoft Project, Jira, Microsoft Excel, Microsoft Power Point, Fusion 360, CAD, GAMS, LINDO
- **Certifications: Certified Scrum Master (CSM),** Foundations of Project Management by **Google**, Excel For Data Analytics by **IBM**, Prompt Engineering For Project Managers **By Project Management Institution**, Agile With Jira by **Atlassian**, NPTEL course on Product Design and manufacturing, NPTEL course on Project Management, SMC Automation Trainee.
- **Key Concepts:** Scrum Methodologies, Change Management, Cross Functional Team Leadership, Data Analytics, Data Interpretation, Problem Solving Through AI, Product Development, Jira, Product Design, 3D printing
- **Soft Skills:** Problem-Solving, Dedication, Leadership, Adaptability, Interpersonal Skills, Ownership, Attention to detail

WORK EXPERIENCE

Asahi Glass India, **Trainee Intern** **Navi Mumbai, Maharashtra, India | Jan 2024 – May 2024**

- Conducted in-depth research on microscopic defects in the float glass manufacturing process, identifying key inefficiencies in defect detection and mitigation.
- Authored a comprehensive review paper on float glass manufacturing, contributing to a **15% improvement in defect resolution efficiency** by implementing data-driven insights.

Avignon University, **Research Intern** **Avignon, France | June 2023 – July 2023**

- Collaborated on a **LoRaWAN technology research project**, analyzing the temporal accuracy of transmitted data.
- Improved data transmission accuracy by **10%**, optimizing the reliability of IoT-based communication systems.

PROJECTS

AI Budget Tool **Dec 2024**

- Spearheading the development of an **AI -budgeting tool** to automate academic grant proposals (e.g., NIH, NSF), addressing the pain point of **time-consuming manual budget creation**.
- Conducting extensive **market research & stakeholder interviews** to enhance product-market fit, increasing user adoption likelihood by **25%**.
- Leading scaling strategies to expand from **university-level users to small businesses**, tackling compliance and funding challenges across diverse agencies.

Fruit Packaging Automation Line **Sept 2023**

- Designed a **multi-functional conveyor system** integrating **alignment adjustment, product counting, disinfection, and segregation**, streamlining packaging for fruit processing.
- Implemented **real-time monitoring** to enhance operational efficiency, reducing defect rates by **20%**.

Enhancing Vehicle Safety Protocol with Spirit Level Detection **May 2023**

- Developed an **alcohol detection system** for vehicles, tackling the issue of **drunk driving accidents** through breath-based sensors.
- Integrated an **instant alert mechanism**, improving driver safety response time by **30%**.

5-Axis Robotic Arm **Oct 2022**

- Designed a **fully functional 5-axis robotic arm** for pick-and-place operations in manufacturing units, optimizing **labor-intensive processes**.
- Improved production efficiency by **20%**, reducing manual intervention in repetitive tasks.

EXTRA-CURRICULAR ACTIVITIES

- International Service Director (2022): Rotract Club of Thane Creekside, India
- Center Back University Soccer Team (2021-22): MIT WPU, Pune, India