

# T YASHWANTH SAI

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*A highly motivated Master of Engineering Management student at Pennsylvania State University, with a strong foundation in project management, process optimization, and quality assurance. Adept at leveraging tools like Microsoft Project, Primavera P6 and SQL to streamline project timelines and enhance operational efficiency. pursuing Six Sigma and CAPM certifications with hands-on experience in managing academic and industry projects.*

## **Education**

Master of Engineering Management, CGPA: 3.7  
Pennsylvania State University Harrisburg

Jan 2023- Dec 2024

Bachelor of Electrical and Electronics  
Ramaiah Institute of Technology

Aug 2018- Sept 2022

## **Work Experience**

**Teaching Assistant, Pennsylvania State University**

Jan 2023 – Present

- Spearheaded a streamlined grading process to enhance consistency and reduce turnaround time, demonstrating process management skills and contributing to overall course quality.
- Provided one-on-one support to students by clearing doubts in Basic Electric Course and assisting in PHY 211 and 212 Labs, enhancing their understanding and performance

**Graduate Wage Associate, Pennsylvania State University**

Sept 2023 – May 2024

- Led the scheduling, grading, and progress tracking for laboratory sessions, ensuring smooth operation and effective communication among stakeholders.
- Collaborated on Laboratory Curriculum Optimization, which involved developing new modules and assessment methods, improving efficiency and engagement for over 140 undergraduate students.

**Marketing Operations Intern, Incredible India Projects Pvt Ltd**

May 2022 - Dec 2022

- Enhanced marketing operations by creating 15 templates and workflows, boosting team efficiency by 30%.
- Assisted project managers with risk logs, project status, and resource scheduling for 10 projects and a team of 25
- Managed and updated the CRM with 500+ client records with their property listings, improved accuracy.

**Engineering Intern, Bharat Electronics Ltd**

April 2022 -May 2022

- Reviewed and coordinated projects as an overview engineer in avionics and electronic warfare.
- Guided RWR (Radio Warning Receivers) product management, increasing reliability and extending its life cycle.
- Performed quality testing and operated the Temperature, Humidity, and Vibration (THV) chamber to ensure product durability and compliance with standards.

**Quality and Project Management Intern, New Tech Transformers Pvt Ltd**

May 2021-Aug 2021

- Assisted in quality assurance for transformer manufacturing, ensuring ISO 9001 compliance
- Streamlined timelines, resources, and risk management, ensuring projects met deadlines.
- Increased product quality by reducing defects 30% through root cause analysis and corrective actions.
- Utilized Microsoft Project and Primavera P6 for project tracking & reporting

## **Academic Projects**

**Health Insurance company Database - [GitHub](#)**

- Developed a SQL database for health insurer record management, handling 300+ patient profiles.
- Included demographics, physician, and insurance ID data for comprehensive record-keeping.
- Enhanced targeted marketing capabilities through detailed patient information analysis.

**Streamlit Data Calculator App – [App](#)**

- Built an interactive app with Streamlit for financial and astronomical analysis.
- Developed models using Gann and Astronomy methodologies, stock calculators and planetary ingress tools.
- Technologies: Streamlit, Python, Matplotlib, Plotly, SQL, Git.

**Dripper Design and Manufacturing Project**

- Excelled in project management, leading the design-to-manufacturing lifecycle of a high-quality dripper on time.
- Demonstrated product management expertise by engineering a micro-irrigation dripper tailored to agri- needs.
- Employed Primavera P6 for superior project timeline coordination and task execution.

**EV Charging Management System – [GitHub](#)**

- Developed priority-based scheduling algorithms to optimize electric vehicle charging and minimize wait times as part of a software system to aid EV charging station management.
- Pioneered the design of an SQL database for metadata analysis on electric vehicle catalogs and tariffs.
- Crafted mathematical models for prioritization and ROI to steer strategic decisions.

**Keurig Dr. Pepper's alcoholic beverage project**

- Oversaw Managed Keurig Dr. Pepper's alcoholic beverage project, overseeing marketing and project timelines with Primavera P6.
- Conducted market analysis and developed a marketing plan aligned with consumer trends.

## **Technical Skills**

**Certificates:** PMI CAPM (Certified associate in project management) (on-going),

AIGPE six sigma: lean six sigma green belt certification (accredited)(On-going),

Google Project Management Professional Certificate, Business Analytics with Excel: Elementary to Advanced: Johns Hopkins university MATLAB Training for Engineering Students Workshop by IEEE April 2021, Learn to Design Your Own Solar Home System by Energy Swaraj Foundation-sept 2020

**Tools:** Microsoft Project, Figma, Confluence, JIRA, Primavera P6, MATLAB, Microsoft Excel/Office, Database management systems (DBMS) MySQL, Minitab, tableau, Search Engine optimization (SEO), Python.