YOKESH P S AE22B065

B.Tech - Aerospace Engineering - Indian Institute of Technology, Madras   LinkedIn in

Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2022 - Present	B.Tech (Aerospace Engineering)	Indian Institute of Technology, Madras	7.91
2022	XII (CBSE)	Sri Chaitanya Techno School, Chennai	96.6 %
2020	X (CBSE)	Sri Vidhya Academy, Chennai	96.6 %

Scholastic Achievements

- Top **4%ile** in JEE Advanced (2L+ candidates), **0.8%ile** in JEE Main (12L+ candidates) and **2%ile** in IAT (30K+ candidates)
- Ranked **3825** internationally and got qualified for **2nd round** by ranking within **top 5%** in SOF's International Math Olympiad
- Selected as a **team delegate**, presenting our **space settlement concept** internationally for the National Space Society's contest
- Achieved exemplary completion of the Foundation Level in BS Degree in Programming and Data Science with a **CGPA of 9.63**

Professional Experience

NSS IITM - Managerial Head of Projects   **Aug '24 - Present**

- Managing a **team of 4 project managers** and **over 1500 volunteers** to oversee and execute over **5 active projects** while preparing for **7 upcoming projects**, ensuring **alignment with organizational objectives** and **seamless execution**
- **Planning, implementing** and **monitoring** project life cycles using tools like **Microsoft Project, Trello** and **Google Workspace**, resulting in a **82% improvement** in **task tracking efficiency** and ensuring **95% adherence to deadlines**
- Applying **Agile frameworks** and **Waterfall approaches** for projects & structured workflows, while streamlining communication and task management with **Jira** & Google Workspace, resulting in **30% increase** in productivity, measured by **KPIs**
- Collaborating with **10+ stakeholders** to define project goals, facilitating **weekly progress meetings and sprint reviews**, while **handling risk management**, ensuring project continuity and achieving around **90% stakeholder satisfaction rate**

NSS IITM - Project Manager   **Aug '23 - Jul '24**

- Led and managed **3 projects** across various disciplines, with life cycles from **3 months to 1 year**, ensuring timely delivery, resource optimization, and alignment with objectives, resulting in **80%** successful outcomes and **85%** stakeholder satisfaction
- Developed and implemented project plans, ensuring **performance monitoring** and **clear communication** with stakeholders
- Applied **change management practices** to adapt to evolving needs and achieve objectives, maintaining project momentum
- Implemented **risk management strategies** to identify, assess, and mitigate potential project risks, ensuring smooth execution

Leadership and Position of Responsibility

Department Legislator (Academic) - Aerospace Engineering (AE) Department   **May '24 - Present**

- Elected by students with a remarkable **82% preference** to represent and lead the Aerospace Engineering Department in ILC[1]
- Serving as **one of 55 students** in the Legislative Council responsible for making and modifying institute's rules and regulations
- Conducted **primary & secondary research** to analyze and address the implications of a **new curriculum change, research projects & various initiatives**, providing data-driven insights to support **strategic decision-making** and implementation
- Organized department's **first-ever fest & industrial visit**, leading **15+ executives & 20+ volunteers** while managing **logistics, budgeting** & **cross-functional coordination**, achieving **90%** student satisfaction and **85%** stakeholder satisfaction
- Led initiatives to **enhance student experience & infrastructure**, including the **renovation of the library & improvement of water facilities**, while prioritizing **mental health** of students through various events, including the department sports fest

Shaastra 2024 - Publicity Coordinator   **Jul '23 - Feb '24**

- Among a team of 15 to promote Shaastra, achieving a **25% increase** in participation by extensive outreach and various activities
- Organized and managed **"Spark"**, a Pan-India event for students and **6th Shaastra Rapid FIDE Rated Chess Tournament**
- Interviewed **50+ students** from various colleges to assess their suitability for the **Shaastra Campus Ambassador role**

Shaastra 2024 - Hospitality Coordinator   **Jul 23 - Feb 24**

- **Led a team of 25** to accommodate and manage over **5000 attendees** at IITM for the **nationwide technical fest** Shaastra
- Supervised **maintenance and services** to ensure a comfortable stay and **effective distribution** of food and hospitality kits.

Coursework

Agile with Atlassian Jira	Introduction to Data Structures and Algorithms*	Probability, Statistics and Stochastic Process
Principles of Economics	Agile and Scrum Master	Statistics for Data Science
Computational Thinking	Machine learning Techniques*	Product Management: Capstone Project*

Skills

Frameworks	Agile, Kanban, Scrum, Waterfall, Lean Product Development
Tools	Jira, Trello, MS-Office (MS Project), Google Workspace, LaTeX, MySQL, PostgreSQL
Data Analysis and Visualization	Matplotlib, Seaborn, Tableau, Excel, Power BI
Programming Languages (Libraries)	Python, C (Numpy, Pandas, SciPy, Scikit Learn, TensorFlow, Keras)
Design and Editing	Canva, Figma, Adobe Premiere Pro, Veed.io

Extra-Curriculars

- Student Mentor at Saathi Wellness Centre: Provided **academic and mental well-being guidance** to four incoming students, conducting **regular sessions** and offering **consistent support** for a smooth transition into institute life.
- Volunteered in the **Publicity and Design & Media** team for Shaastra 2023, helping in promotional & media production efforts
- Serving as **one of the 15 dynamic Super Coordinators** in the **Tamil Club at IIT Madras**, dedicated to fostering **linguistic enthusiasm** through the coordination of a wide array of **cultural events**
- Volunteered as a **chemistry and mathematics tutor** for the Maattram Foundation's Karpom Karpippom Project, assisting **12th grade government school students** and significantly improving their **academic performance in the final exams**
- Won **third prize** in a **singing competition** during the ethnic day, representing the Tamil Club of IIT Madras
- Won **first prize** in an **art competition** at the school level, and one among the 60 participants advanced to the final round

* Ongoing   [1] ILC - Institute Legislative Council