**Pavan Kalyan Jangam**

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**EDUCATION**

**University of South Florida Tampa, FL**

*Master’s in Engineering Management August 2022 – Present*

*(Overall current GPA: 3.88 | Major current GPA: 4.0)*

* Graduation is expected in 05/2024

**Osmania University Hyderabad, India**

*Bachelor’s in Mechanical Engineering August 2017 – September 2021*

*(CGPA: 3.73 |Major CGPA: 4.0)*

* Major project “Experimental Investigation of Basalt reinforced polymer matrix composite with reinforced SiC particles."

**WORK EXPERINCE**

**USF Students Accessibility Services Tampa, FL**

*Exam Proctor October 2022 – Present*

* Facilitated a supportive and inclusive testing environment for students with various accessibility needs.
* Provided technical troubleshooting and support during exams to ensure a smooth experience for both students and faculty.
* Collaborated with faculty to implement approved exam accommodations, such as extended time or a distraction-free environment, ensuring compliance with accessibility requirements.
* Upheld strict ethical standards, contributing to the trust and respect that students placed in the Student Accessibility Services.
* Proactively addressed unexpected issues during exam sessions, adapting to varying circumstances and finding quick solutions to minimize disruptions for both students and faculty.
* Generated reports and statistics on exam usage and student engagement, contributing valuable insights for program improvement.
* Participated in team meetings and training sessions to stay updated on best practices in accessibility services.
* Suggested enhancements to exam proctoring processes, leading to the implementation of more efficient procedures and improved experiences for students and staff.

**Adapt Motors Private Limited Hyderabad, India**

*Design Engineer August 2020 – July 2022*

* Led the design and development of innovative electric motor bike products, from concept to production, resulting in a 12% increase in overall product efficiency.
* Utilized CAD software (e.g., SolidWorks, Fusion 360, CATIA and Ansys) to create detailed 3D models, ensuring accurate and optimized designs for manufacturing.
* Implemented Fusion 360, a cloud-based data enhancement solution, within the department, resulting in a 25% optimization in record storage. This implementation also incurred lower costs compared to other prominent software options.
* Worked closely with cross-functional teams including electrical engineers, manufacturing engineers, and quality assurance to ensure seamless integration of design into production processes.
* Participated in design reviews, incorporating feedback from various departments to enhance overall product performance.
* Streamlined the bill of materials (BOM) by optimizing component selection, resulting in reduced inventory costs and improved supply chain efficiency.
* Resolved complex design challenges related to size constraints, thermal management, and electromagnetic interference.
* Managed multiple design projects concurrently, adhering to tight timelines and milestones, resulting in on-time delivery and customer satisfaction.

**LEDERSHIP EXPERINCE**

**MVSR College of Engineering Administration** **Hyderabad, India**

*Student Director of Career Fair July 2020 – August 2021*

* Coordinated Career Fair for 5,000+ Engineering students, connecting 200+ jobseekers with representatives from organizations such as DRDO, KG MECH, CRA Motorsport PVT LTD, HVAC Design.
* Organized 6+ fundraisers, created events, and maintained expenses relative to the developed budget of $850 quarterly.

**Associated Students of MVSR College of Engineering (Student Government)** **Hyderabad, India**

*Elected Treasury May 2019 – August 2021*

* Managed a $78,000 budget consisting of student funds from MVSR college, organizing meetings to allocate $2,000+ monthly to student organizations and initiatives involving grants, cultural events, and university projects.
* Advised students and faculty during my own free hours for 10 hours per week while implementing impactful projects such as the Academic Projects, SAE Events, Career Fair and Sports Tournaments for 8,300+ students.

**SUPRA SAEINDIA (Society of Automotive Engineers)** **Hyderabad, India**

*Team Ampere Motor Sport (Team Captain) April 2018 – August 2020*

* Led a team of 25 members in SAE SUPRA events annually to showcase students built F1 car prototypes.
* Finalize the subsystems geometry, design, analyses and optimize each part of the subsystems. Helped to reduce the weight of the suspension assembly by 6 kg while reducing the cost by $900.
* Involved in the designing, planning, coordinating, purchasing, product design and supervision of manufacturing processes as the Team Captain and Head of Fabrication.

**TECHANICAL SKILLS & SOFT SKILLS**

*Tech skills*: SolidWorks | Fusion 360 | CATIA | Ansys | Customer Relationship Management (CRM) | Database Management | Technical Writing and Documentation Tools | Product Lifecycle Management (PLM)

*Soft skills*: Leadership | Adaptability | Teamwork | Problem Solving | Conflict Resolution | Networking | Negotiation | Emotional Intelligence

**INTERESTS**

Stargazing, Swimming, Scuba diving, Skydiving, Strategy & Operations, Analytics, Career Consulting and Cricket.