TEJA GOLLA

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EDUCATION

- **Sree Vidyanikethan Engineering College** — Andhara Pradesh, India
  Bachelor of Technology - Mechanical Engineering; GPA: 8.9 — *July 2019 - August 2023*
  Courses: *Data Structures, Analysis Of Algorithms, Object-oriented Programming Operating Systems, Databases Management*

SKILLS SUMMARY

- **Languages**: Python, C++, JavaScript, SQL
- **Frameworks**: Boot Strap, J Query, Node JS, Express JS
- **Tools**: GIT, VS code, PostMan , SQL WorkBench, MS Office, MS Excel
- **Web Tech**: HTML, CSS and React JS
- **Data Analytics**: Pandas, NumPy, Matplotlib, Seaborn, Exploratory Data Analysis
- **Soft Skills**: Leadership, Event Management, Content Writing, Public Speaking

INTERNSHIP EXPERIENCE

- **AICTE IDEA LAB** — On-site
  Technical Trainer,Instructor (Full-time) — *November 2022 - May 2023*
  - : Developed and executed FDM 3D printing programs, enhancing printer uptime by 20% & maintenance for 15% improved efficiency.Created a comprehensive documentation user for understanding and reducing errors by 10%.
  - : Provided advanced laser and wood-cutting instruction, resulting in a 15% improvement in manufacturing efficiency through optimized processes and the effective utilization of advanced technology.
  - : Offered technical support and guidance to students, staying updated with the latest advancements in Additive Manufacturing, contributing to their 20% increase in understanding and knowledge of the field.
- **Computer Numeric Control - Tooling** — On-site
  Summer Trainee (Full-Time) — *April 2022 - June 2022*
  - : During this tenure, I acquired expertise in programming, operating, and troubleshooting CNC machines, utilizing CAM software, G-code programming, and precision measurement tools. This skill set enabled the production of high-quality parts using CNC Machines, achieving a 20% improvement in part quality and machining efficiency.

PROJECTS

- **PIZZA ORDER MANAGEMENT SYSTEM —(A Demo front end application)**: Implemented an intuitive user interface with responsive design, ensuring optimal user experience across various devices. providing customers with an interactive ordering process. ensuring a clear interface and efficient code.
  Technologies used: Python, HTML and CSS, Bootstrap, React JS   Link: Pizza-Management System

- **TINY-DOG STARTUP WEBSITE — Landing page for a startup**: Created and maintained a website focused on small dog breeds, providing valuable resources, articles, and community engagement to promote responsible pet ownership.
  Technologies used: HTML and CSS, Bootstrap and Java Script   Link: Tiny-Dog Website

- **TAGUCHI APPROACH FOR ADDITIVE MANUFACTURING OF ABS MATERIAL — Final year Research project**: It is a process and material optimization method in AM (3D printing), The goal of the project is by change various input parameters to obtain an optimal product with 15 percent more mechanical properties. And Developed a product from scratch to the final product with high testing results by using these parameters.

- **DESIGNED A SMART BIN SYSTEM AIMED AT REDUCING HUMAN MAINTENANCE (At India design week competition By Auto Desk 2022**: Designed a smart bin system with integrated sensors and autonomous monitoring, achieving a 25% reduction in human maintenance efforts & a 20% increase in operational efficiency, promoting sustainability.

CERTIFICATIONS

- Certificate of presentation in 6th International Conference on Advanced Materials Modern Manufacturing ICAMM
- NPTEL Online Certification in Programming Data Structures and Algorithms using Python
- NPTEL Online Certification in Data Base Management System
- Certification in Programming Essentials in Python course, provided by Cisco Networking Academy®
- Certification in Introduction to Cybersecurity, provided by Cisco Networking Academy®
- Certification of Participation in IUCEE - Wadhwani Foundation NEN Active Program 2022

HONORS AND AWARDS

- Engineering - Top 2nd person of the branch with the highest academic score - Aug 2019 to Aug 2023
- District 1st Prize Winner in Bhagavad Gita Competition in the year of 2012 and 2013 (school)
- Runner's Up at INDIA DESIGN WEEK 2022 Finals Organized by ICT Academy Powered by AUTODESK - 2022

VOLUNTEER EXPERIENCE

- **Vice President at CAMS Student Chapter(Creative Association of Mechanical Students)** — Tirupati, India
  Conducted online and offline technical & skill enhancing events impacting over 900 students. — *Jan 2020 - May 2023*

- **Event Organizer and Executive at ISTE (Indian Society for Technical Education)** — Tirupati, India
  Organized events,Managed Team & conducted workshops reaching over 90 % of College students. — *Jan 2019 - May 2023*