Sahith Reddy Bonepally

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Summary

To learn more and dedicate my efforts towards an organization,as I am motivated and hardworking, eager to gain experience in various responsibilities and establish a career for myself.

Education

Malla Reddy College Of Engineering And Technology, Hyderabad   **May 2024**
Bachelor of Technology (B.Tech) in Mechanical Engineering, 8.23 CGPA

Sri Chaitanya Junior College, Hyderabad   **May 2020**
Higher Secondary Education, 91.2%

Triveni Talent School, Hyderabad   **May 2018**
High School, 9.5 CGPA

Technical Skills

- **Programming languages :** Python, C.
- **Technologies**   : AWS(EC2, S3, IAM, Cloudfront..etc), Apache Airflow, SQL(PostgreSQL,MySQL), HTML, CSS.
- **Tools**   : Git, Windows, Linux.
- **Developer Tools**   : Jupyter notebook, Vs code.
- **Software**   : Power BI, Tableau, Figma, Adobe XD, MS Office, AutoCAD, Ansys, Catia.
- Fundamentals of DBMS, Cloud Computing, Machine Learning, IOT & AI(Gen AI, LLM's..etc)

Projects

- **Real-Time X(Twitter) Analytics Pipeline with Apache Airflow |** Apache Airflow, AWS, X(Twitter) API, Python
  Designed and implemented a real-time data pipeline to process and analyze Twitter data using Apache Airflow, leveraging AWS services for scalable storage and compute, enabling actionable business insights.

- **Air Canvas with Machine Learning using Mediapipe and OpenCV |** OpenCV, Mediapipe, Numpy
  Developed an interactive Air Canvas that uses Mediapipe for real-time hand gesture tracking and OpenCV for dynamic drawing on a virtual canvas, featuring color selection and canvas reset options.

- **Employee Attrition Analysis Dashboard using Power Bi |** Power Bi, PostgreSQL, MS Excel
  Developed a Power BI dashboard by integrating data import, cleaning, visualization, and analysis, with a focus on KPI's such as attrition rate, employee demographics, job satisfaction, tenure, and salary trends.
  Delivered actionable insights on attrition, demographics, strategic HR initiatives for performance and retention enhancement.

- **Food Ordering Application: UI Design |** Figma, Wireframing, Prototyping
  Designed an User interface(UI) for a food delivery app using Figma, focusing on user experience and seamless navigation through wireframing and prototyping.

Internships

- **Research Intern at NIT Jamshedpur**   **May 2023 - July 2023**

  - Designed and developed a **Compact CPU Cooling System** using CATIA, focusing on efficient heat dissipation, space optimization, and quiet operation through innovative use of materials like aluminum, copper, and nanofluids.

  - Proposed a novel cooling model that enhances thermal performance by 10% to 30% with nanofluids, ensuring reduced noise, simplified assembly, and suitability for space-constrained devices.

Achievements

- **Published Patent :** Co-Inventor of a published patent application titled "**Compact CPU Cooling System**" (Indian Patent Application No. **202431076408**, published in [2024]).

Certifications

- Career Essentials in Generative AI by Microsoft.
- Power Bi Job Simulation by Forage.
- Data Analytics and Visualization Job Simulation by Forage.
- Digital Skills**:** User Experience(UI/UX) from Accenture.