

# 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	

## Internships

- Research Intern at NIT JamshedpurMay 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.

## Projects

- Employee Attrition Analysis Dashboard Creation using Power Bi :**  
Developed an Power BI dashboard involves integrating data import, cleaning, visualization, and analysis. Delivered actionable insights on attrition, demographics, strategic HR initiatives for performance and retention enhancement.
- Developed and Deployed a Real-Time Data Pipeline for X( Twitter) Analytics Using Apache Airflow :**  
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.
- Food Ordering Application: UI Design :**  
Designed a user interface(UI), for a food delivery app using Figma which involves wireframing and prototyping.
- Development of Ethanol Blended Fuel Vehicle: Reviving Maruti 800 Engine :**  
Implemented Ethanol Blended Fuel Technology for Enhanced Performance and Sustainability.

## Achievements

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

## 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, IOT & AIML(Gen AI, LLM's..etc)

## Certifications

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

## Personal Details

- Date of Birth :** 27 June,2002
- Hobbies :** Trading, Reading Articles, Net Surfing, Video Editing.
- Nationality :** Indian
- Languages Known :** Telugu, English, Hindi.