Tarun Sai Janapati

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SUMMARY

Highly motivated and results-oriented graduate student with a strong academic background in Mechanical Engineering and Analytics. Seeking to leverage technical skills in programming languages, web development, data analysis, data science, machine learning, data visualization, and Microsoft tools in a challenging role within the technology industry.

EDUCATION

Saint Louis University • Master's Degree   Graduation: May/2025
Master's in Analytics • GPA: 3.9/4

Visvesvaraya National Institute of Technology • Bachelor's Degree   Graduation: May/2022
BTech in Mechanical Engineering • GPA: 7/10

EXPERIENCE

Graduate Engineer Trainee –Saarloha Advanced Materials Pvt Ltd   July/2022 – September/2022
Pune, India
- In-depth knowledge of equipment in Steel melting shops, focused on data collection and analysis.
- Conducted inspections, preventive maintenance, and resolved equipment issues to improve productivity.
- Collaborated with cross-functional teams for equipment safety and efficiency

Building Maintenance Student worker –Simon Recreation Center   February/2024 – May/2024
Saint Louis University
- Managed custodial operations and routine maintenance tasks, ensuring the cleanliness and functionality of facilities within the Simon Recreation Center.
- Conducted regular inspections of equipment and facilities, identifying issues promptly and executing repairs to maintain optimal operating conditions.

SKILLS

- **Programming Languages: :** Python, R Programming, SQL, JavaScript
- **Web Development: :** React, Node.js, Express, HTML, CSS, Flask
- **Database Management: :** MongoDB, SQL
- **Data Analysis: :** Pandas, NumPy
- **Data Science: :** Tensorflow, Keras, OpenCV, NLTK, Pytorch
- **Machine Learning: :** Regression, Classification, Clustering, Decision Trees, Random Forest, SVM
- **Data Visualization: :** Matplotlib, Seaborn, Tableau, Plotly, Power BI
- **Other Tools: :** Excel, Jupyter Notebook, Docker

PROJECTS

Haven of Grace - Client and Health Management System Global Grad Project   May/2024 – August/2024
- Designed and implemented various forms to collect and manage client, maternal, and child demographic details.
- Developed dynamic features, including the ability to add and delete child details sections using JavaScript.
- Integrated modals for editing client data, ensuring a seamless user experience.
- Utilized MongoDB for efficient data storage and retrieval, focusing on handling complex data structures.
- Enhanced application security by managing authentication and error handling processes.

AI-Powered Resume Builder Profile Personal Project   December/2023 – August/2024
- Developed a full-stack application that allows users to create profiles and generate professional resumes.
- Integrated Google AI (Gemini) to automate the generation of summaries and descriptions, enhancing efficiency.
- Achieved a 5x reduction in the time required to build a resume compared to traditional methods.
- Implemented a clean and intuitive user interface using React and TypeScript.
- Managed data storage and retrieval with MongoDB, ensuring smooth and fast performance.
- Deployed the application at https://boronatom.me, making it accessible to users.

SteamCalci - Steam Properties Calculator Personal Project   December/2022 – February/2023
- Designed and implemented algorithms to calculate steam properties based on user inputs such as pressure and temperature.
- Developed a user-friendly interface for inputting data and displaying results.

- Integrated visualizations to represent steam properties across different states, aiding in better understanding and analysis.
- Ensured the accuracy of calculations by validating against standard thermodynamic tables.

CERTIFICATIONS

- **IPDIMS** • NIT Rourkela $\hfill$ November/2022 – /
- **Introduction to Data Analytics** • Simplilearn $\hfill$ February/2023 – /

INVOLVEMENTS

- **Student Representative, Training and Placement** • VNIT $\hfill$ May/2021 – September/2021
- **Volunteer, AXIS'20** • VNIT $\hfill$ January/2020 – March/2020