KAMMARI SADGURU SAI

kammarisadgurusai2003@gmail.com

LinkedIn — GitHub — Portfolio

EDUCATION

Institute of Aeronautical Engineering   Hyderabad, India
Bachelor of Technology; GPA: 6.7   *September 2023 - 2026*

Samskruti College of Engineering and Technology   Hyderabad, India
Polytechnic/Diploma - Computer Engineering; GPA: 7.10   *October 2020 - April 2023*

SKILLS

- **Languages:** Python, SQL, Java, C, C++, HTML, CSS, JavaScript , Machine learning , NLP, Gen Ai
- **Libraries:** Pandas, Numpy, Scikit-Learn, Matplotlib ,Gen ai , Streamlit , pytesseract
- **Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL, MS Office Suite
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- **Soft Skills:** Team Management, Communication

INSTERNSHIP EXPERIENCE

Data Science with Generative AI Intern — Innomatics Research Labs — Link 1—Link 2 *September 2024 - December 2024*

- *Worked on projects involving Exploratory Data Analysis (EDA), Machine Learning (ML), NLP, and Generative AI.*
- Developed and deployed four major projects:
  - **AMCAT EDA:** Analyzed AMCAT test data to derive insights into candidate performance trends.
  - **Electric Vehicle EDA:** Conducted in-depth analysis of electric vehicle datasets, uncovering factors affecting adoption rates.
  - **AI Code Reviewer:** Created a tool leveraging Generative AI to review and suggest improvements in code quality.
  - **Building AI-Powered Solution for Assisting Visually Impaired Individuals - Visionist Ai:** Developed a real-time scene understanding and personalized assistance system using Generative AI. .
- Enhanced skills in data visualization, predictive analytics, and real-time system deployment.

Data Analyst Intern — Makri Solutions (OPC) Pvt. Ltd. — LINK *May 2024 - June 2024*

- *Worked on* **Strategic Insights in Human Resources of HR Analytics**
- Analyzed HR data to generate strategic insights, supporting human resources decision-making.
- Utilized Python and libraries such as Pandas, NumPy, Seaborn, Plotly, and Matplotlib for HR data analysis.
- Created interactive dashboards in Power BI to visualize key HR metrics, improving data-driven reporting.
- Provided actionable recommendations that optimized HR processes and enhanced workforce management.

Data Science Intern — 360DigiTMG — LINK *April 2024 - June 2024*

- *Worked on Optimization of machine downtime through data analysis and predictive insights.*
- Conducted SQL-based exploratory data analysis (EDA) on machine downtime datasets, identifying critical patterns affecting performance.
- Utilized Python for advanced EDA, uncovering factors contributing to machine inefficiencies.
- Developed optimization recommendations that improved machine uptime and operational efficiency.
- Collaborated with cross-functional teams to refine data collection and enhance the accuracy of predictive insights.

PROJECTS

Visionist AI — PROJECT LINK *September 2024 - December 2024*

- Leveraged Generative AI to assist visually impaired individuals in perceiving and interacting with their surroundings.
- Addressed challenges like understanding environments, reading visual content, and performing sight-based tasks.
- Implemented features such as real-time scene understanding, text-to-speech conversion, and object detection.

Electric Vehicle EDA — PROJECT LINK *September 2024 - December 2024*

- Conducted univariate and bivariate analyses, exploring electric vehicle datasets for trends in adoption and performance.
- Visualized the distribution of electric range, vehicle types, and model years, identifying key adoption patterns.
- Examined correlations between vehicle characteristics, including MSRP and electric range, to uncover insights.
- Developed a comprehensive exploratory report showcasing data visualizations and actionable findings.

Analysis on Telangana Election 2023 — PROJECT LINK *March 2024 - April 2024*

- Conducted an in-depth analysis of Telangana Elections 2023 data to identify trends and patterns using Python and statistical methods in R.
- Utilized Python libraries (Pandas, Matplotlib, Seaborn) to process data, visualize voter demographics, and explore key metrics.
- Employed R programming for advanced statistical analysis and generating detailed graphs for vote shares, turnout rates, and candidate performance.

- Developed a Power BI dashboard displaying top candidates, constituency with the highest voter turnout, and other critical insights for stakeholders.
- Identified constituencies with the highest polling rates and highlighted leading candidates, offering data-driven insights for post-election analysis.

Strategic Insights in Human Resources of HR Analytics — PROJECT LINK *May 2023 - June 2023*

- Analyzed HR data to generate strategic insights, supporting human resources decision-making.
- Utilized Python and libraries such as Pandas, NumPy, Seaborn, Plotly, and Matplotlib for HR data analysis.
- Created interactive dashboards in Power BI to visualize key HR metrics, improving data-driven reporting.
- Provided actionable recommendations that optimized HR processes and enhanced workforce management.

CERTIFICATES

- **Python for Data Science, AI & Development (IBM) — CERTIFICATE** *July 2023*
- **SQL (HackerRank) — CERTIFICATE** *March 2024*
- **Data Analytics using Power BI Foundation Certification (Infosys) — CERTIFICATE** *August 2024*
- **Power BI for Business Professionals (Infosys) — CERTIFICATE** *August 2024*

ACHIEVEMENTS

- **Winner – Analytics: Better for Tomorrow**, a Global Challenge Hackathon organized by CDC, IARE (2024). Recognized for leveraging Generative AI and data analysis for sustainability solutions.
  Certificate of Achievement

CODING PROFILES

- **LeetCode:** https://leetcode.com/ksadgurusai
- **CodeChef:** https://www.codechef.com/users/ksadgurusai
- **HackerRank:** https://www.hackerrank.com/profile/kammarisadgurus1
- **Geeks For Geeks:** https://www.geeksforgeeks.org/user/sadguru03/