

SUMMARY

An AI enthusiast with a strong foundation in Machine Learning, Data Science, and Cloud Computing, driven by a passion for leveraging technology to solve real world problems. I bring hands-on experience in building predictive models, data analysis, and deploying scalable cloud solutions, alongside expertise in web development. With a proven track record in working with cutting-edge technologies like Microsoft Azure, I thrive in collaborative environments where I can merge my technical skills with creative problem-solving to deliver impactful solutions. Always eager to learn and stay on the pulse of emerging trends in AI, cloud architecture, and data-driven decision-making.

EDUCATION

Sri Siddhartha Institute of Technology, Tumakuru, Karnataka

Bachelor of Engineering in Computer Science

May 2021

GPA: 7.14/10

SKILLS

- **Programming Languages:** Python, R, HTML, CSS, JavaScript, SQL, Kusto Query Language
- **Frameworks:** ReactJS, AngularJS, Flask, Django, TensorFlow, PyTorch, Scikit-Learn, Keras
- **Databases:** PostgreSQL, MySQL, Firebase
- **Cloud Computing:** Microsoft Azure, Google Cloud Platform
- **Machine Learning:** Classical Machine learning algorithms, Deep learning (Neural Networks)
- **Data Science:** Data Cleaning, Data Engineering, ETL, Data Visualization, Natural Language Processing
- **Generative AI:** LLMs, Agents, Transformers, Responsible AI

PROFESSIONAL WORK EXPERIENCE

Rabtul Pvt. Ltd.

Sep 2021 – Dec 2021

Web Developer Associate - Internship

Bengaluru

- Emphasis in designing interactive Web based UI/UX using tools like Adobe XD, Figma and developing them using HTML, CSS, JavaScript and Bootstrap
- Utilized my expertise in converting the web pages into a responsive site built for multiple screen sizes
- Built a demo Mobile application using the Flutter framework using Dart as the programming language

LTIMindtree Limited

March 2022 – Present

Cloud Infrastructure Engineer

Bengaluru

- Incident Management and Response: Take ownership of incidents, performance issues, or service degradations in Microsoft Azure HDInsight clusters. Responsible for smooth running of these clusters, CRUD operations, scaling operations and certificate issues
- Investigate root causes of incidents by analyzing logs, metrics, and application behavior. Use diagnostic tools such as the Kusto Explorer using Kusto query language to identify issues and implement immediate workarounds or fixes to restore service functionality and minimize impact on customers
- Create comprehensive dashboards using powerful tools like Power BI to visualize incident patterns, system performance, and metrics, helping teams quickly analyze and detect potential issues.
- Ensure thorough documentation of system architecture, incident patterns, mitigations, and lessons learned from incidents.
- Develop scripts and automation tools to streamline investigation process, incident detection and resolution.

PROJECTS

➤ Identification of leisure hubs for new store opportunities -

https://github.com/nagarjunts008/Identification_of_Leisure_Hubs

Dec 2022

- Developed a website to identify leisure hubs using geo-tagged Twitter posts by pulling live data from Twitter API
- Applied NLP (Sentiment Analysis) and visualization techniques to identify potential leisure spots.
- Used regression techniques to suggest scores for new store locations.
- Built the website using Flask and integrated Mapbox API for live map visualizations.

- **YOLO V9 with custom dataset** - https://github.com/nagarjunts008/Yolo_v9 March 2024
 - Trained the YOLO v9 model on a custom dataset for object detection tasks.
 - Pre-processed the dataset, annotated images, and fine-tuned hyperparameters for optimal performance.
 - Deployed the model for real-time detection, achieving high accuracy and speed in identifying objects.
- **Amazon product review classification** - https://github.com/nagarjunts008/Amazon_Review_Classification Feb 2022
 - Classified Amazon products (Video Games vs. Musical Instruments) based on customer reviews using NLP techniques.
 - Applied Sentiment Analysis to categorize reviews as good, bad, or neutral.
 - Compared the performance of multiple models to optimize classification and sentiment detection.
- **Customer spending analysis and classification** - https://github.com/nagarjunts008/Site_Spending May 2022
 - Predicted customer spending using Regression algorithms based on their salary.
 - Used Binary Classification and Neural Networks to categorize customers by salary.
 - Applied K-Means Clustering for more accurate customer segmentation.
- **Statistics - Stock price of "GSPC" analysis and future stock price prediction** - https://github.com/nagarjunts008/Time_Series_Analysis June 2022
 - Analysed GSPC stock prices using statistical methods and time series analysis.
 - Estimated future stock prices by applying forecasting techniques.
 - Provided insights into stock price trends and potential future movements.
- **Data Visualization for Franchise Store Management** - https://github.com/nagarjunts008/Venue_Data_Visualization March 2022
 - Developed visualizations based on data from multiple franchise store venues to assist in decision-making.
 - Analysed sales and inventory data to provide insights for boosting sales and optimizing inventory management.
 - Enabled management to make data-driven decisions through interactive and customized visualizations.
- **Iris dataset analysis and flow rate of Nile River analysis** - https://github.com/nagarjunts008/Programming_Fundamentals_for_Data_Science May 2022
 - Visualized the **Iris dataset** using Python for exploratory data analysis.
 - Analysed and visualized **River Nile flow rate** as a time series dataset using R.
 - Applied data visualization techniques to uncover patterns and insights from both datasets.
- **Gosala Agro Products** - <https://sgagroproducts.com/> July 2023
- **Smaran Pyrolysis Technologies** - <https://greensmaran.com/> Oct 2023
- **Food Management:** Jan 2021
 - Developed a responsive website to track and manage food wastage in college hostels.
 - Enabled admins to input food wastage data, input daily prepared food data and the users to rate daily meals.
 - Built a full-fledged application with distinct admin and user functionalities for better food management.

CERTIFICATIONS

- **Microsoft 365 Certified:** Fundamentals
- **Microsoft Certified:** Azure Fundamentals
- **Microsoft Certified:** Azure AI Fundamentals
- **Google Certified:** Introduction to LLMs, Responsible AI, Generative AI
- **LTIMindtree:** Generative AI Foundation course

ACHIEVEMENTS

- I was a part of Microsoft, Business Unit of the Year – 2023 at LTIMindtree