SRINIVASA PRABHAT JOSYULA

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Summary

Results-driven technology professional with expertise in cloud computing, data analytics, and automation. Skilled in optimizing cloud-based data workflows, and developing automation scripts to enhance efficiency. Strong background in networking, system troubleshooting, and data visualization using tools like Power BI and other cloud-based BI platforms. A problem-solver with excellent communication and analytical skills, driven by a passion for continuous learning and innovation.

Education

University of Dayton, Ohio (*M.S. Computer Science*)	***Aug 2021 - Dec 2023***
Jawaharlal Nehru Technological University (*B.Tech, Computer Science & Engineering*)	***Aug 2016 - Dec 2020***

Experience

Kolibri Data Solutions LLC (*Texas, United States***)**   ***Jul 2024 - Feb 2025***
Data Analyst
- Optimized cloud-based data workflows to enhance overall system efficiency and reduce latency.
- Developed Python-based automation scripts to streamline data processing and minimize manual intervention.
- Utilized cloud computing and storage services to support scalable data operations and reduce infrastructure overhead.
- Built interactive dashboards using cloud-based BI tools to improve real-time data visualization and support better decision-making.

University of Dayton (*Ohio, United States***)**   ***Aug 2021 - Dec 2023***
Student Hospitality Associate / Manager
- Provided technical support for Dining Services, troubleshooting hardware, software, and network issues, reducing downtime by 50%
- Implemented network security protocols and IT policies, reducing security incidents by 35%.
- Collaborated with IT teams to resolve escalated issues, ensuring smooth operation of POS systems and digital tools.
- Conducted routine system maintenance and performance monitoring, ensuring 99.9% system uptime.
- Trained staff on POS systems and mobile apps, improving operational efficiency by 25%.

Projects

Generative AI
- **AI-Powered Trip Planner:**
- Built an AI trip planner that generates 5-day personalized itineraries using CrewAI and OpenAI GPT models.
- Created specialized agents simulating human travel experts.
- Designed the system to process user goals into structured travel plans.
- Utilized python-dotenv for secure API key management and virtual environments for isolated development.
- Developed and tested the project in Visual Studio Code; managed code with Git and published on GitHub.
- **Technologies Used:** Python, CrewAI, OpenAI GPT, python-dotenv

Data Science and Business Intelligence
- **Flight Experience Analytics:**
- Built a full sentiment analysis pipeline using Python to classify tweets about airlines in the United States.
- Cleaned and preprocessed raw tweet data by removing URLs, stopwords, and special characters.
- Performed sentiment scoring (positive, negative, neutral) and exported cleaned results to CSV for visualization.
- Developed interactive Power BI dashboards with slicers, charts, and embedded Python visuals, like word clouds.
- Used Visual Studio Code for development and managed the project with Git and GitHub for collaboration.
- **Technologies Used**: Python, pandas, nltk, Power BI Desktop, Word Cloud

Skills

- **Networking**: OSI Model and Networking Fundamentals
- **Troubleshooting**: Wireshark, Packet Tracer, Ping, Traceroute, iperf, dig, cURL
- **Cloud Services:** Azure Blob Storage, Azure Databricks
- **Big Data & Analytics:** SQL, Power BI, MATLAB
- **Generative AI & AI Agents:** OpenAI APIs, Crew AI, Prompt Engineering, Windsurf
- **Programming Languages**: Python, C, Java
- **Databases**: MySQL, BigQuery
- **Version Control:** Git

Certifications

- Google Data Analytics
- Python Data Structures (University of Michigan)
- Microsoft Certified: Azure Fundamentals (In Progress)