**Kavya Sri Kasarla**

+1 (812) 671-5178 | kasarlak11@gmail.com | [LinkedIn](https://www.linkedin.com/in/kavya-sri-kasarla-b80023186/) | [GitHub](https://github.com/Kasarlakavyasri)

**PROFESSIONAL EXPERIENCE**

**AI/ML Programmer Analyst – ANTS Corp | Herndon, Virginia, USA** *September 2024 – Present*

* Developed and deployed AI and machine learning models **(Hugging Face Transformers, GPT4)** to optimize business operations, automate tasks, and reduce manual workload by **40%**, contributing to ISO and CMMI appraisal success.
* Designed interactive dashboards with **Power BI** and advanced **DAX** calculations, enabling real-time **KPI** tracking and data-driven decision-making through advanced data analysis using **SQL** supporting over **180+** clients.
* Enhanced data architecture and managed **Apache** Server operations, ensuring seamless data access, reducing reporting latency by **25%**, and workflow optimization in a highly specialized environment.

**Business/Data Analyst – Hoosier Community Network | Bloomington, Indiana, US** *July 2024 – September 2024*

* Led research projects utilizing advanced **statistical analysis** and machine learning, improving forecasting accuracy by **30%** and driving actionable insights for strategic planning.
* Analyzed large datasets with **Python and SQL**, uncovering trends that increased revenue by **25%**, and developed interactive dashboards using **Power BI** and **Alteryx** for real-time **KPI monitoring**.
* Designed experiments and **longitudinal studies** to understand customer behaviors, delivering **data-driven recommendations that boosted engagement by 20%** and supported small businesses in strategic decision-making.

**Business Analyst - Indiana University | Bloomington, Indiana, US** *August 2022 – May 2024*

* Streamlined inventory management and reduced operational costs by **20%** through data analysis using **SQL**, **Tableau**, enhancing efficiency and minimizing wastage.
* Designed and implemented dashboards integrating customer data from **PeopleSoft CRM** using **Tableau**, providing real-time insights that improved decision-making and boosted customer satisfaction by **25%**.
* Implemented a unified data integration system across **AWS S3, Redshift, and EC2, leveraging Data Pipeline to automate ETL processes** and reduce data discrepancies by **20%**.

**Software Engineer - DXC Technology | Hyderabad, Telangana, India** *February 2021 – July 2022*

* Managed and optimized **6+** web portals using **IBM WebSphere**, ensuring streamlined data access, seamless user experiences, and efficient deployment and maintenance of web applications.
* Demonstrated expertise in **Linux** and **Unix** administration, effectively managing server operating systems and analyzing large datasets with **1000+** in Excel to prioritize server requirements.
* Collaborated with **10+** cross-functional teams to identify user needs, implemented impactful improvements, and earned the prestigious **Quarter Champ Award for exceptional performance** in a high-responsibility role.

**SKILLS**

**Languages:** Python, Java, JavaScript, SQL (MySQL, PostgreSQL), DAX, PHP, Html, CSS, Flask.

**Tools:** IBM WebSphere, Linux, UNIX, VS Code, Power Apps, Excel, Tableau, Power BI, Alteryx, GIT, ReactJS, NodeJS, JIRA, Apache, SAS, SSMS.

**Technical Skills:** Data analysis/visualization, Business Analytics, Machine Learning, SDLC, Agile, Statistical Modeling, Artificial Intelligence, Data Mining, Data Modeling, Lean 6 Sigma, CMMI Practitioner training knowledge.

**ACADEMIC PROJECTS**

**Email AI Agent** (Python, Groq API, Google Cloud Console, LLM)*January 2025*

* Developed an intelligent email assistant using **Llama 3.3 70b SpecDec** and **Groq API** for dynamic email classification and real-time scheduling, integrating **Gmail** and **Google Calendar APIs**, improving productivity by **35%**.

**Digit And Face Classification using CNN** (Python, CNN, Model Tuning)*April 2023*

* Developed a high-accuracy model using **Convolutional Neural Networks (CNN)** for facial emotion detection and handwritten digit recognition, achieving 95% prediction accuracy.
* Applied digit classification techniques for **OCR** and image recognition tasks, enhancing automated data entry, document processing, and human-computer interaction applications.

**Event/Venue Management System** (React, MongoDB, Flask, CSS, HTML, Heroku) *April 2023*

* Designed using **ReactJS** and deployed a venue booking website on **Heroku**, to streamline venue booking and listing processes, connecting event organizers with venue proprietors.
* Revamped the development process using Agile methodologies and JIRA, which streamlined project workflows and reduced time to market by 20%, enabling faster delivery of features and improvements to the user interface.

**PUBLICATIONS/CERTIFICATION**

* **CMMI Practitioner** (Building Organizational Capability) Certification from **ISACA(CMMI Institute),** MTA for Programming in Python and **Analyzing and Visualizing data with Power BI** – Forage & PWC Simulation certificate
* Co-authored “**Image Segmentation based Hybrid Watermarking Algorithm for Copyright Protection**” at the eleventh ICCCNT in association with **IEEE**. doi: 10.1109/ICCCNT49239.2020.9225668

**EDUCATION**

**Master of Science in Computer Science** *August 2022 - May 2024*

Indiana University, Bloomington, Indiana, USA **GPA: 3.6/4.0**

**Bachelor of Technology in Information Technology**  *June 2017 - June 2021*

Kakatiya Institute of Technology and Science, Warangal, Telangana, India  **GPA: 3.8/4.0**