**SAI MEGHANA GUTHULA**

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**EDUCATION**

**Saint Louis University |** Saint Louis, MO **Aug 2023 - May 2025**  Master of Science in Information Systems **|** GPA: 3.67/4.00

**Aditya Engineering College | Andhra Pradesh, India June 2019 - May 2023**

Bachelor of Engineering in Information Technology **|** GPA: 7.00/10.00

**SKILLS & TOOLS**

* **Programming Languages:** JavaScript, TypeScript, Python, Java, SQL
* **Frameworks:** React.js, Angular, Bootstrap, Flask, Node.js, FastAPI
* **Tools:** Jenkins, GitHub Actions, JIRA, Confluence, Docker, Terraform, Selenium, Junit
* **Build Tools:** Webpack, Babel, Gulp, Rollup.
* **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, Terraform, GitHub Actions.
* **Databases:** PostgreSQL, MySQL, MongoDB, basic knowledge of Oracle
* **Tools & Platforms:** Git, Jira, Jenkins, Airflow, Splunk, Apache Kafka, Apache Spark, Snowflake.
* **Visualization:** Power BI, Tableau
* **Version Control & CI/CD:** Git, Jenkins, Bamboo, GitHub Actions
* **Testing:** JUnit, Selenium
* **Other:** REST APIs, Flask, Fast API

**WORK EXPERIENCE**

**Software Engineer Intern- Value Momentum, Hyderabad, India Jul 2022 – May 2023**

* Designed and developed ETL pipelines and microservices in Node.js and Python, integrating data across platforms for real-time and batch analytics.
* Supported data ingestion and transformation for enterprise clients using SQL, improving data accessibility and reporting performance.
* Implemented CI/CD pipelines with Jenkins and Bamboo for rapid, automated deployments.
* Collaborated with cross-functional teams in Agile environment using JIRA, and performed code reviews, unit testing, and performance tuning.

**PROJECTS**

**Blockchain-Integrated Recruitment Pipeline Analytics Dashboard** **Mar 2025 – May 2025**

Tech stack: Power BI, Blockchain Concepts, CSV Data, Scenario Modeling

* Developed a real-time recruitment dashboard in Power BI, integrating blockchain for tamper-proof data tracking and auditing.
* Enabled insights into hiring funnels, sourcing channels, salary benchmarks, and time-to-hire using dynamic filters and predictive visuals.
* Demonstrated data modeling, data quality validation, and real-time alerting in a business use case similar to retail/HR analytics.

**CI/CD Pipeline for HR Workflows**  **Jan 2025 – May 2025**

The Impact of Vendor Solutions on Reducing Provider Workload in Healthcare

* Built a robust pipeline for continuous integration and delivery of data-driven HR systems.
* Integrated automated unit tests and performance checks to maintain data integrity across environments.

**Toxic Comment Classification using ML Jan 2025 – Feb 2025**

Tech stack: Python, Scikit-learn, Pandas, NumPy, NLTK, Jupiter Notebook

* Developed a Random Forest model (85% accuracy) for classifying toxic comments using structured text data.
* Conducted data preprocessing, feature engineering (TF-IDF), and trained on Kaggle datasets.
* Published research in International Journal of Research Publication and Reviews.

**WORK SHOPS**

## Multicloud DevOps & AI Challenge Jul 2022 – May 2023

**Instructor: Jean Rodrigues**

* Built and deployed containerized applications on **GCP (EKS)** using **Terraform** and **GitHub CI/CD**.
* Developed AI Assistants with OpenAI and Amazon Bedrock, applying AI in real-world cloud and DevOps scenarios.