

# Prajna Shetty Jagannath

+1(571)-234-9845 | [prajna.shetty39@gmail.com](mailto:prajna.shetty39@gmail.com) | <https://www.linkedin.com/in/psjprajna/> | <https://github.com/psjprajna>

## SKILLS SUMMARY

**Languages:** Python, C, C++, Java, Javascript, PHP, SQL, HTML, CSS, R.

**Frameworks:** Scikit-Learn, PySpark, Docker and Kubernetes, Hadoop, Databricks.

**Tools:** Git, AWS (Elastic Beanstalk, S3, Amazon Kinesis, Amazon EMR), Airflow, PowerBI, PostgreSQL, MySQL.

**Skills:** Full-Stack, CI/CD, Data Visualization, Machine Learning, ETL/ETL, NoSQL.

## EXPERIENCE

### Software Engineer (Data Engineering)

02/2023 – Present

*Syneren Technology Corporation*

*Tysons Corner, VA*

- Optimized data pipelines, resulting in a 30% increase in efficiency, and reduced processing time by 73% by implementing a switch framework adopted by multiple teams, enhancing data validation.
- Architected AWS integration and streamlined pipeline orchestration with Airflow, including designing SFTP/FTPS modules, elevating system reliability by 15%, and saving two months of labor.
- Drove innovation through the successful execution of 5+ Generative AI (POCs), including model applications like GPT 3.5, text-Davinci, and DALL-e.

### AI Trainer

06/2023 – Present

*Remotasks*

*Remote, USA*

- Trained and supervised artificial intelligence models, enhancing their accuracy and efficiency in real-world applications, contributing to improved automation and decision-making processes.
- Leveraged remote work capabilities to independently apply expertise in AI, contributing to the optimization of workflows and the development of innovative solutions for data annotation tasks.

### Data Engineer Integer

08/2022 – 12/2022

*Mitre*

*GMU, VA*

- Designed SQL queries and models, optimized database schemas, and reduced cloud operation expenses by 30%.
- Developed ETL mappings, eliminated data redundancy, reduced table sizes by terabytes and streamlined data processing and storage.
- Enhanced data processing with Kafka consumers, optimized DAX functions, and visualized IoT data in PowerBI for improved usability, performance, and data-driven decision-making.

## EDUCATION

### George Mason University

Fairfax, VA

*Master of Science in Data Analytics*

01/2021 – 12/2022

### Nitte Meenakshi Institute of Technology

Bangalore, India

*Bachelor of Engineering in Computer Science*

08/2016 – 08/2020

## PROJECTS

### Face Recognition Attendance App | OpenCV, TensorFlow, Keras, AWS Kinesis, AWS EMR

- Developed a face recognition system with OpenCV, TensorFlow, and Keras, ensuring scalability and remote access for automated attendance tracking. Integrated Amazon Kinesis Video Streams and Amazon EMR for distributed data processing.

### Data Tagging via Content and Standards | NLP, ML, LDA, Topic Modelling, Data Visualization

- Developed an ML/AI model using LDA topic modeling to automate data tagging and standardization, enhancing data catalog organization.
- Reduced manual effort, improving data discovery and catalog searchability.
- Designed and implemented a comprehensive data pipeline from data collection to model training.