Shivam Mishra [+18123610960 | shivam4dev@gmail.com | GitHub | LinkedIn]

EDUCATION

Indiana University, Bloomington, United States   **Aug 2022 – May 2024**
Master of Science In Data Science | GPA: 3.6 / 4
Relevant Coursework: *Applied Algorithms, Advance Database Concepts, Data Mining, Deep Learning Systems, Applied Distributed Systems, Applied Machine Learning, Data Analytics for Research*

TECHNICAL SKILLS

- **Programming languages:** C, C++, Java, Pearl, Python, JavaScript, SQL, Bash
- **Libraries/Frameworks:** Pandas, Scikit-learn, ReactJS, PySpark, PyTorch
- **Databases/Cloud:** MongoDB, Postgres, MySQL, Sybase, AWS S3, Glue ETL, Lambda, Route 53, Athena
- **Miscellaneous:** Tableau, Linux, Jenkins, Git bash, Snowflake, Kubernetes, Docker, Hadoop

PROFESSIONAL EXPERIENCE

Rocket Central, Detroit, Michigan, United States of America   **May 2023 – Aug 2023**
Data Engineer Intern – Data Intelligence | Skills: AWS S3, AWS Glue ETL, AWS Lambda, Python, PySpark
- Designed efficient ETL pipelines with AWS Glue, leading to substantial cost savings while managing large datasets.
- Leveraged PySpark to expertly process and analyze substantial customer datasets, delivering impactful insights through informative dashboards.
- Engineered robust CI/CD pipelines utilizing Jenkins, CircleCI, and Git to automate and ensure the reliability of job deployments.

Indiana University, Bloomington, United States of America   **Aug 2022 – May 2023**
Research Assistant – O'Neill School of Public & Environmental Affairs| Skills: Python, Pandas, PySpark, SQL, Tableau
- Proficiently designed and implemented Python-based data wrangling code, enabling the extraction of extensive insurance data from diverse online sources.
- Performed extensive data cleaning, aggregation, transformation, and visualization tasks on transparency in coverage data collected from various health insurers, supporting research goals with precision and efficiency.

Ericsson, Bangalore, India   **Jun 2021 – Aug 2022**
Software Developer – Cloud Container Distribution | Skills: Kubernetes, Docker, Open Stack, Python
- Effectively oversaw the management of containerized applications within Ericsson products through Kubernetes and OpenStack deployments and bolstered the software reliability.
- Spearheaded automation initiatives utilizing Python and Golang to efficiently update versions across extensive YAML and JSON file sets. Achieved an outstanding 80% enhancement in process efficiency.

Blackrock, Mumbai, India   **Jul 2019 – Jun 2021**
Data Analyst – Data and AI | Skills: Python, Pandas, PySpark, SQL, Hadoop
- Developed and managed data pipelines for the extraction of extensive client portfolio data, seamlessly transferring it to BlackRock's database for advanced risk analytics.
- Developed a file monitoring tool using Python, enabling seamless data management from a diverse range of Index vendors. Through the implementation of efficient algorithms, achieved an impressive 60% boost in process efficiency.
- Employed Spark and SQL to meticulously analyze production errors within clients' analytics reports, resulting in a substantial reduction in data errors and enhanced data quality and reliability.

ACADEMIC PROJECTS

Stocks Recommendation System
- Developed an RNN-powered stocks recommendation system, utilizing sentiment analysis and user input parameters to guide beginners in achieving their investment goals efficiently.

Smart Production and Logistics System
- Analyzed production machine data (power, voltage, temperatures) to detect anomalies using a KNN model. Awarded IoT hackathon victory for successful implementation.