Ashwini Ramesh Benni

Jersey City, NJ 07307 | 551-260-6324 | abenni@stevens.edu | linkedin.com/in/ashwinibenni

SUMMARY

Graduate Data Science student skilled in data engineering, distributed pipelines, and cloud-based workflows. Experienced in optimizing data infrastructure, handling large-scale structured/unstructured data, and driving predictive analytics. Passionate about big data, cloud computing, and AI-driven insights to solve business challenges.

EDUCATION

Stevens Institute of Technology   **Hoboken, NJ**
Master of Science in Data Science   May 2025
Relevant Courses: Applied Machine Learning, Deep Learning, Statistical Methods, Optimization for Data Science

KLE Institute of Technology   **Hubballi, India**
Bachelors in Electronics & Communication Engineering   July 2020
Relevant Courses: Data Structures, Operating Systems, Python Application Programming

SKILLS

Programming & Databases: Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), SQL (PL/SQL, MySQL, Snowflake, PostgreSQL), NoSQL (MongoDB), R (data.table, ggplot2)
Cloud & Big Data: AWS (Redshift, S3, Glue, Lambda), Microsoft Azure (Data Factory, Synapse, Databricks), Apache Spark, Hadoop, Kafka, Hive
ETL & Data Engineering: Informatica (IICS), IBM InfoSphere DataStage, Data Pipelines, Data Modeling, dbt (Data Build Tool)
Visualization & Reporting: Power BI, Tableau, Matplotlib, Seaborn

WORK EXPERIENCE

ROMARK LOGISTICS   **New Jersey, US**
Designation: Data Analyst Intern   **June 2024 – October 2024**
- **Data Pipeline Development:** Designed and automated **Azure ETL pipelines for a 5TB** legacy data system, reducing **query response time by 65%** and enabling real-time analytics across 3 locations.
- **Analytics Dashboard Creation:** Developed and deployed **3 real-time Power BI dashboards** (SQL, Python), optimizing inventory tracking, and **reducing operational costs by 20%** and Automated data reporting workflows, reducing manual processing time by 40% and enhancing real-time decision-making.
- **Enhanced Data Management: Integrated Snowflake & Azure Synapse**, improving cloud scalability and reducing query failures by 30%.

SLK SOFTWARE PVT. LTD.   **Bangalore, India**
Designation: Software Engineer   **February 2021 - July 2023**
- **ETL Development and Data Integration**: As part of the data team, I contributed to building **AWS-based ETL pipelines using Glue and Lambda** while also developing and maintaining high-performance **ETL jobs using IBM InfoSphere DataStage**, reducing processing time by 30% and ensuring high data quality for banking transactions.
- **Data Integration Implementation:** Built **Spark-based data validation modules**, handling millions of daily records across SQL, Oracle, and Mainframe systems.
- **Team Collaboration:** Worked with a team of six engineers to gather, compile, and normalize raw data while implementing data pipelines (**SQL & EDA**). Ensured high data quality and accuracy across two business units by leveraging industry trends and benchmarks.

ACADEMIC PROJECTS

AI-Driven Financial Advisory System   **Jan 2024 – April 2024**
- Developed **an NLP-based sentiment analysis** model using PySpark to assess financial news and guide investment strategies.
- Improved **model accuracy by 15%** using Random Forest and Decision Trees for predictive analytics.

Media Synergy: A Unified Recommendation System   **Sept 2023 – Dec 2023**
- Built a personalized recommendation engine **using K-Means Clustering, Collaborative Filtering, and Linear Regression** to improve user content discovery.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Data Analytics – Specialty (In Progress)
- Microsoft Certified: Azure Data Fundamentals (DP-900), DP-700 (In Progress)
- Received 'STELLAR TEAM' award at SLK Software for data integration excellence (Q4, FY 21-22)