

Hrithik Puri

617-935-8046 | hrithikpuri00@gmail.com | [LinkedIn](#) | [GitHub](#)

Data professional with 2 years specializing in scalable ETL pipelines, predictive modeling, and transforming complex data into actionable business insights. Proven expertise in **Data Engineering**, **data science**, and **data analytics** with strong analytical and technical problem-solving abilities. Experienced in **client-facing** roles, effectively translating technical concepts into business value. Detailed and results-driven with excellent communication and collaboration skills in both independent and team settings

EXPERIENCE

Software Engineer | Serigor | Baltimore, Maryland Mar 2025 - Present

- Developed Analytical model and dashboard using Sklearn, and Power BI, 30% increasing in reporting speed
- Collaborated directly with clients across 2 enterprise projects to gather projects requirements and deliver solutions.

Data Scientist | Pinnacle IT Solutions | Brighton, Colorado Nov 2024 – Feb 2025

- Deployed data pipelines using Airflow and docker, reducing data preparation time by 60% for model training
- Engaged with stakeholders to present data pipeline designs and align machine learning outputs with business goals

Data Scientist | Veeco Instruments | San Jose, California Jul 2023 – Dec 2023

- Carried out statistical data analysis on large-scale datasets using Pandas and NumPy, uncovering trends that improved efficiency by 20%, and developed interactive Graphical User Interface, enhancing diagnostics by 45%
- Designed and implemented machine learning model for predictive maintenance and process optimization with data scientists, leveraging Scikit-learn for classical techniques, achieving a 19% improvement in forecasting accuracy.

Software Engineer | SYMB Technologies | Noida, Uttar Pradesh Sep 2021 – Feb 2022

- Built robust data pipelines with REST APIs using Python, Flask and MySQL, optimizing data flow by 30%
- Managed AWS resources (S3, Lambda) to enhance data processing efficiency, while utilizing ETL processes to streamline pipeline and improving retrieval speeds by 30%

Data Analyst | Ducat India | Noida, Uttar Pradesh Apr 2021 - Aug 2021

- Cleaned and formatted large Excel-based datasets using Pandas and NumPy increasing data streams by 40%.
- Worked on advanced Statistics using Python to identify data quality issues and propose cleanup strategies

SKILLS and CERTIFICATIONS

Languages: Python, R, SQL, C/C++, Java **Analytics & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Excel, Tableau, Power BI **ML & AI:** Scikit-learn, TensorFlow, Keras, XGBoost, Clustering, Regression, CNN, Statistical Analysis **Data Engineering:** ETL Pipelines, Apache Airflow, Docker, dbt, CI/CD **Cloud & AWS:** EC2, S3, Lambda, Glue, Redshift, SageMaker, RDS, Athena **Databases:** PostgreSQL, MySQL, MongoDB, Snowflake **Tools:** Git/GitHub, Jupyter, Azure DevOps **Certifications:** AWS Academy Graduate - Cloud Architecting, Cloud Foundations, Ducat: Data Science & Machine Learning, Data Structures and Algorithms, Python Udemy: Mastering System Design

PROJECTS

Derma Vision

- Developed a CNN-based model using architectures like ResNet50 and custom CNN for skin lesion classification, achieving 67.76% peak test accuracy by employing transfer learning and data augmentation
- Documented research methodology, performance writing analysis, and findings in a comprehensive research paper, demonstrating expertise in data science, model generalization, and diagnostic precision

Scalable AWS Web App Migration

- Re-architected a PHP-based application and MySQL database on AWS using Aurora Serverless, EC2 Auto Scaling, ALB, Security Groups, Secrets Manager, and private subnets to build a secure, scalable, and cost-efficient infrastructure for automated, fault-tolerant data ingestion and processing across multiple Availability Zones

EDUCATION

Master of Science | Northeastern University | Boston, Massachusetts Aug 2024

Major: Data Analytics Engineering

Coursework: Data Analysis, Data Visualization, Neural Network and Deep Learning, Statistical Learning, Data Mining

Bachelor of Technology | Uttar Pradesh Technical University | Noida, Uttar Pradesh Jul 2022

Major: Computer Science Engineering

Coursework: Data Structure and Algorithms, Physics, Machine Learning, Cloud Computing, Database Management