Khushi Bhavin Lakhlani

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EDUCATION

Northeastern University, **Boston, MA** Expected Dec 2027
Master of Science in Information Systems
Relevant Coursework: Object-Oriented Programming, Application Engineering and Development

Coventry University, **Coventry, United Kingdom** Jan 2021 – Jul 2024
Bachelor of Science in Computer Science with Honours GPA: 3.74/4.0

TECHNICAL SKILLS

Programming: Python, Java, JavaScript (React), C++, SQL, R, HTML/CSS

AI/ML: PyTorch, TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Deep Learning, Neural Networks, NLP, Computer Vision

Data Analysis & Visualization: Tableau, Power BI, Matplotlib, Seaborn, Statistical Analysis

Databases: SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

Tools: Excel (Pivot Tables, VLOOKUP, Power Query), Power BI (DAX, dashboards), MS Office Suite, Git/GitHub, VS Code, Jupyter Notebook, Postman, Jira

Certifications: Intel Cloud Computing (Fundamentals & Technical Professional), Intel Solutions Pro - AI Fundamentals, McKinsey Forward Program

PROFESSIONAL EXPERIENCE

Data Analyst Intern | **Ernst and Young (EY – Parthenon)** | ***Mumbai, India*** Jan 2025 – Apr 2025

- Architected a robust end-to-end ETL pipeline using Python (Pandas, NumPy) to process 44K+ manufacturing records from historian systems into executive-ready Excel reports, reducing manual processing time from 10+ hours per week to real-time execution
- Engineered an automated data quality and validation framework to address missing data and detect anomalies across multiple production lines, resulting in a 35% reduction in data errors
- Designed and deployed scalable data transformation pipelines across nine production stages, uncovering operational bottlenecks and driving an 18% improvement in process efficiency

Technical Specialist Sales Intern | **Intel Corporation** | ***Swindon, United Kingdom*** Jul 2022 – Sep 2023

- Supported the end-to-end sales cycle with Wipro by leading pre-sales technical engagement and deploying 1,200+ VDI cloud instances (USD $3.2M value)
- Led a cross-functional automation initiative extracting NEX business revenue from 15 partner companies, generating USD $2M in incremental impact and USD $6.8M in additional value
- Launched an automation program across 4 UK regional teams, reducing manual workload by 70% and establishing a scalable cloud-integration framework for EMEA operations
- Collaborated with global teams across multiple time zones and delivered technical demos of Intel vPro Technology to partner sales teams, improving technical enablement and accelerating solution adoption
- Consolidated data insights from Salesforce reports, partner telemetry, and internal tools to support solution recommendations and quarterly business reviews

ACADEMIC PROJECTS

ML Engineering: Predictive Maintenance Analysis on Aircraft Engine | GitHub Sep 2023 – Apr 2024

- Executed in-depth research on aircraft engine predictive maintenance strategies by implementing machine learning algorithms with NASA C-MAPSS IoT sensor data, achieving 83.5% accuracy in failure prediction models through hyperparameter optimization and cross-validation
- Analyzed component degradation patterns across 21 sensor measurements from 100 aircraft engines to predict remaining useful life, contributing to reduced aircraft downtime through data-driven maintenance scheduling and demonstrating potential 27% reduction in unscheduled maintenance costs