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Building a better
working world

Kausar Patherya
Technology Transformation

Contact information
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Education
Georgia Institute of Technology
MS, Computer Science (ML)
GPA: 4.0/4.0

University of Illinois
BS, Industrial Engineering
GPA: 3.79/4.0

Skills
Cloud (AWS, Azure, GCP)
Programming (Python, Java)
Visualization (Power BI, Tableau)
Simulation (Arena)

Certifications
AWS Solutions Architect Associate
FinOps Certified Practitioner
Azure Fundamentals
AWS Cloud Practitioner
Google Cloud Fundamentals

Machine Learning Specialization
Math for ML & Data Science
Deep Learning Specialization

Links
GitHub
LinkedIn
Personal Website

Professional Experience Summary
Kausar is a curious technologist, always looking to learn and grow as an individual. He is a Technical Cloud Solutions Delivery Consultant within the EY Technology Transformation ICSR practice. He has a focus on Digital Transformation and Cloud Technologies and has assisted clients with deploying and managing resources in the cloud. He holds multiple certifications from AWS, Azure, Google Cloud, and the FinOps Foundation. Kausar graduated with a bachelor's degree in Industrial Engineering from the University of Illinois at Urbana-Champaign. He is currently pursuing a master's degree in Computer Science with a specialization in Machine Learning at the Georgia Institute of Technology.

Cloud Implementation
- Debugged Terraform scripts to successfully deploy an Azure Machine Learning (AML) workspace as part of EY's MLOps initiative, accounting for all resource dependencies successfully. Created a census data map for a client to identify the preferred regions to create the Azure Landing Zone (ALZ).

- Captured 1800+ configuration settings as part of the Microsoft 365 tenant creation process, ranging across Exchange, SharePoint, Teams, OneDrive etc. Mapped out an exhaustive list of end-user test cases and worked with the change management team to identify BU champions.

- Deployed a multi-tiered architecture as part of the AWS Resume Challenge, utilizing API Gateway, Lambda and DynamoDB, and automating the entire development process using Terraform and GitHub Actions for CI/CD. Click here for more details.

Additional Development Experience
- Created an optimization algorithm to rearrange the inventory locations within an international distribution warehouse in Lockport, Illinois. Removed bottlenecks in the movement of their outbound logistics, resulting in cost savings of $44K due to fewer labor hours.

- Developed an RPA bot to automate the detection of suspicious payment patterns for a F500 credit card provider, using Neuralify's Automation Anywhere platform. Attended to common money laundering patterns, identifying unusually large one-time, or small high-frequency deposits.

- Saved ~135 hours of annual productivity with the RPA bot and, coupled with ServiceNow and NICE Actimize, helped generate a 5-year ROI of ~$600K. Received executive recognition for exceptional performance in bot-development and overall process execution.

Project Management
- Analyzed enterprise IT market trends for a leading global MedTech company, distilling insights from 15+ EY SMR interviews within the data strategy, cloud FinOps, AI/ML and cybersecurity space.

- Coordinated efforts to modernize the VoIP infrastructure of a F500 beverage retailer. Upgrades included switching telephone lines to a lower cost carrier, creating SIP trunks, and migrating to Microsoft Teams & Cisco UCM.