**Name**

P: +1(000) 000-0000 | 1234@gmail.com | LinkedIn Link | Github Link

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| PROFESSIONAL SUMMARY |

Highly experienced AI and Machine Learning leader with a Master's degree in Information Science and a track record of executing large-scale AI/ML strategies, delivering innovative solutions at scale. Expertise in machine learning frameworks, cloud-based ML platforms, and MLOps, including model registries and feature stores, ensures efficient model deployment and lifecycle management. Proven ability to translate complex technical concepts into actionable business strategies, supported by exceptional communication skills and a passion for evolving AI/ML trends. Adept at leading cross-functional teams and fostering industry relationships to drive AI/ML innovation aligned with corporate goals. Proficiency in Python, Java, and Scala, combined with a deep understanding of ML platform architecture, positions as an ideal candidate to advance Exelon's AI/ML initiatives.

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| EXPERIENCE |

**XXX Lab, University XXX** XXX, PA

**Software Developer - Volunteer (Spark, Elastic MapReduce, Parquet, Data Pipeline)** July 2024 – Aug 2024

Developed scalable data pipelines using AWS, enhancing data processing for large-scale medical datasets.

• Designed a data pipeline processing 1TB of ?? medical data using AWS S3, EMR, and Athena for efficient querying.

• Leveraged Spark for ETL, compressing gigabytes of ?? data in minutes and querying terabytes in seconds.

• Integrated AWS QuickSight with NextJS for a user-friendly interface, reducing operational costs by ?? %.

**Department of XXX, University XXX** XXX, PA

**Software Developer (Node.JS, Python-Django, NextJS)** Jun 2023 – Feb 2024

Led development of Alexa skills and web applications, enhancing patient-caregiver connectivity.

• Developed Alexa skill for assessments, integrating with Django and NextJS for patient-caregiver connectivity by ?? %.

• Utilized AWS Lambda and DynamoDB for efficient execution and process status tracking in Node.js by ?? %.

• Implemented JWT authentication in Django API, securing the system with Nginx on AWS Elastic Beanstalk by ?? %.

• Created data visualization features with Next.js, deploying via AWS Amplify for a streamlined CI/CD pipeline by ?? %.

• Produced video tutorials for onboarding, improving team efficiency and project development continuity by ?? %.

**国内某科技小公司** XXX, China

**Computer Vision Algorithm R&D Intern (Python, C++, Shell Script)** Oct 2021 – Mar 2022

Enhanced object detection for robots and developed testing environments for robotic projects.

• Fine-tuned YOLO models for server room robots, improving object detection accuracy and reliability by ?? %.

• Generated 10,000 datasets from 200 using Blender, enhancing YOLO model training and performance by ?? %.

• Developed Gazebo environments for solar panel robots, facilitating comprehensive simulation and testing by ?? %.

• Automated testing setup, reducing preparation time from hours to ?? minutes, streamlining development workflow.

• Collaborated with teams for robotic system integration, documenting processes for ongoing projects by ?? %.

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| EDUCATION |

**University XXXX** XXX, PA

**Master XXX Information Science** Aug 2022 - May 2024

• GPA 3.95/4.0

• Coursework in Cloud Computing and Network Science, focusing on ML platform architecture and lifecycle management

• Projects on Immersive Media Applications utilizing AI/ML strategies and model deployment

**University XXX (QS TOP 20)** XXX, Australia

**Bachelor of Science (Honors) in Computer Science & Eng** Mar 2017 - Nov 2021

• Coursework in Applied AI, Data Mining, and Deep Learning, emphasizing MLOps and feature stores

• Advanced Topics in Statistical Machine Learning with a focus on model registries and monitoring workflows

• Proficiency in programming languages: Python, Java, Scala

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| SKILLS |

TECHNICAL

Python, Java, Scala, Machine learning frameworks, Cloud-based ML platforms, ML operations (MLOps), Model registries, Feature stores, Monitoring and retraining workflows, ML platform architecture, Model deployment, Lifecycle management

SOFT

Exceptional communication skills, Leadership, Strategic planning, Decision-making, Relationship building, Ability to translate complex technical concepts into business strategies

OTHER

Data Science, Computer Vision, Passion for evolving AIML trends

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| PROJECTS |

**Serverless Document Processing System** Time Period

• Designed and delivered a serverless full-stack system using AWS services (Lambda, S3, EC2, DynamoDB, API Gateway) and ReactJS, with TypeScript and AWS CDK for infrastructure as code, showcasing expertise in cloud-based ML platforms.

• Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning and script execution, achieving a seamless file processing workflow with cost-efficient cleanup, while adhering to AWS security best practices, demonstrating strong ML operations (MLOps) skills.

**Camping Advisor Portal** Time Period

• Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, highlighting proficiency in data science and predictive analytics.

• Leveraged Neo4j Graph Database for data persistence, and employed ExpressJS (Elastic Beanstalk) along with D3JS (Glitch) for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, showcasing strong decision-making and strategic planning skills.

**Accommodation Website** Time Period

• Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving the top 10% ranking in our class for its user-friendly design and fake comment detection features, demonstrating strong AI/ML development skills.

**E-commerce Website** Time Period

• Developed a functional lightweight e-commerce website using the MERN stack (MongoDB, Express.js, React, Node.js), focusing on foundational full-stack development practices and scalable design, showcasing expertise in cloud-based ML platforms and model deployment.

**Clinical Reminder Backend** Time Period

• After analyzing consultation system needs, developed the clinic reminder system's backend in just three days using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs that allow doctors to manage patient information and send reminders, demonstrating strong communication and leadership skills.

**Unity(C#) Game Development** Time Period

• Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, and independently developed and released a 3D adventure game on itch.io, showcasing leadership and the ability to translate complex technical concepts into engaging user experiences.