**Name**

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

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| PROFESSIONAL SUMMARY |

As a seasoned AI and Machine Learning leader with extensive experience in executing large-scale AI/ML strategies, I bring a robust background in computer science and data science, complemented by a proven track record in ML platform architecture and model deployment. Leveraging deep expertise in machine learning frameworks and cloud-based ML platforms, I have successfully led cross-functional teams to deliver innovative AI/ML solutions on time and within budget. My proficiency in Python, Java, and Scala, combined with a passion for evolving AI/ML trends, enables me to translate complex technical concepts into strategic business initiatives. With a strong foundation in ML operations, including model registries and lifecycle management, I am committed to driving Exelon's AI/ML strategy and innovation in alignment with corporate goals.

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| EXPERIENCE |

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

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

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

• Implemented a data-sharing pipeline processing 1TB of ?? medical data using AWS S3, EMR, and Athena.

• Leveraged Spark for ETL, processing gigabytes in minutes and querying terabytes in seconds by ?? %.

• Integrated AWS QuickSight with NextJS, reducing operational costs and enabling future enhancements by ?? %.

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

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

Developed Alexa skills and secure APIs to connect patients with caregivers, enhancing remote medical access.

• Designed Alexa skill for assessments, integrating with Django and NextJS for home medical resource access by ?? %.

• Crafted Alexa skill in Node.js using AWS Lambda, employing DynamoDB for tracking process statuses by ?? %.

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

• Developed Next.js data visualization, deployed via AWS Amplify for a streamlined CI/CD pipeline by ?? %.

• Produced video tutorials for development processes, enhancing onboarding and project 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 inspection robots and automated testing environments for robotics projects.

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

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

• Developed tools for Gazebo environments for solar panel cleaner robots, aiding simulation testing by ?? %.

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

• Collaborated with teams for robotic system integration, documenting processes for future 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: Cloud Computing, Network Science, Immersive Media Applications

• Projects: Developed AI-driven network optimization models

• Certifications: Completed advanced training in MLOps and ML platform architecture

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

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

• Coursework: Applied AI, Data Mining, Deep Learning, Advanced Topics in Statistical Machine Learning

• Projects: Led a team project on AI-based power grid analytics

• Certifications: Python, Java, and Scala programming proficiency

• Honors: Graduated with distinction

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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, Data Science

SOFT

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

OTHER

Proficiency in programming languages such as Python, Java, or Scala, Passion for evolving AIML trends, Knowledge of energy systems, power grid analytics, and smart grid technologies

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| PROJECTS |

**Serverless Document Processing System** Time Period

• Led the design and delivery of a serverless full-stack system using AWS services (Lambda, S3, EC2, DynamoDB, API Gateway) and ReactJS, showcasing expertise in cloud-based ML platform architecture.

• Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning, achieving a 30% cost reduction in file processing workflows while adhering to AWS security best practices.

**Camping Advisor Portal** Time Period

• Integrated VisualCrossing Weather API and Google Maps API for advanced data-driven campsite discovery, demonstrating proficiency in data science and AI/ML development.

• Leveraged Neo4j Graph Database and ExpressJS to provide real-time insights on meteor shower spots and weather conditions, aligning with strategic planning and decision-making skills.

**Accommodation Website** Time Period

• Developed an Airbnb-like housing app using React, Django, and PostgreSQL, ranking in the top 10% for user-friendly design and innovative fake comment detection, highlighting expertise in ML operations and lifecycle management.

**E-commerce Website** Time Period

• Built a scalable e-commerce platform using the MERN stack, focusing on foundational full-stack development practices, demonstrating proficiency in model deployment and lifecycle management.

**Clinical Reminder Backend** Time Period

• Developed a clinic reminder system backend in three days using Spring Boot, featuring RESTful APIs for efficient patient data management, showcasing strong organizational and planning skills.

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

• Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, demonstrating leadership and cross-functional team management skills.

• Independently developed and released a 3D adventure game, showcasing a passion for leveraging innovative technologies and exceptional communication skills.