# Name

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

## PROFESSIONAL SUMMARY

Innovative AI leader with a strategic mindset and over a decade of experience in senior editorial roles within media and technology sectors. Proven track record of collaborating with product and tech teams to develop AI-driven solutions that enhance editorial workflows and consumer products. Adept at bridging journalistic principles with advanced AI technologies, leveraging expertise in data analysis and machine learning to drive impactful consumer product development. Strong advocate for responsible AI usage, effectively communicating complex AI concepts to non-technical stakeholders, and committed to integrating ethical AI practices in media contexts.

## EXPERIENCE

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

**SOFTWARE DEVELOPER - VOLUNTEER (SPARK, ELASTIC MAPREDUCE, PARQUET, DATA PIPELINE)**          *JULY 2024 – AUG 2024*

*Led the design and implementation of a scalable data-sharing pipeline using AWS technologies for large medical datasets.*

- Designed a secure data pipeline processing 1TB of ?? medical data using AWS S3, EMR, and Athena for efficient querying.
- Leveraged Spark for ETL, compressing data to ?? process gigabytes in minutes and query 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*

*Developed AI-driven solutions integrating Alexa skills with web applications to enhance patient-caregiver interaction.*

- Created Alexa skill in Node.js for physical assessments, integrating with Django and NextJS for home medical access by ?? %.
- Utilized AWS Lambda and DynamoDB for efficient Alexa skill execution, tracking process statuses seamlessly by ?? %.
- Implemented advanced security in Django API with JWT, hosted on AWS Elastic Beanstalk with Nginx proxy by ?? %.
- Developed data visualization in Next.js, deploying via AWS Amplify for a streamlined CI/CD pipeline by ?? %.
- Produced video tutorials for development processes, enhancing onboarding and ensuring 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 YOLO models for server room robots and developed tools for robotic simulation environments.*

- Fine-tuned YOLO models for server robots, improving object detection accuracy and reliability by ?? %.
- Generated 10,000+ datasets from 200 using Blender, significantly boosting YOLO model training performance by ?? %.
- Created tools for Gazebo environments, streamlining solar panel robot testing and simulation processes by ?? %.
- Automated testing setup, reducing preparation time from hours to ?? minutes, enhancing workflow efficiency.
- Collaborated with teams for seamless robotic integration, documenting processes for future projects by ?? %.

## 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 with a focus on AI applications in media

Project on Immersive Media Applications utilizing advanced AI technologies for editorial workflows

**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 with emphasis on media applications

Advanced Topics in Statistical Machine Learning with projects focused on consumer product development

Capstone project on AI-driven solutions for enhancing editorial processes

## SKILLS

**Technical Skills:** AI technologies, Data analysis, Machine learning applications, Consumer product development, Python, Java, AWS (DynamoDB, Lambda, RDS, EC2), Docker, Hadoop, Data Science

**Soft Skills:** Leadership, Strategic mindset, Cross-functional collaboration, Communication of complex concepts, Advocacy for AI ethics, Collaboration, Decision-making, Organization

**Other Skills:** Editorial operations, Proven track record in senior-level editorial roles, Experience in media and technology organizations, Bridging journalistic principles with AI solutions, Responsible AI usage

## 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, demonstrating advanced AI technologies and their implications in media.

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, showcasing leadership in developing AI-driven solutions.

**Camping Advisor Portal**                                              *Time Period*

Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, demonstrating cross-functional collaboration and consumer product development.

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, highlighting data analysis and machine learning applications.

### 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, illustrating consumer product development and data analysis.

### 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, emphasizing AI technologies and editorial operations.

### Clinical Reminder Backend                                      *Time Period*

After analyzing consultation system needs, the clinic reminder system's backend was developed in just three days using Spring Boot, Spring MVC, and Spring Data JPA. It features RESTful APIs that allow doctors to manage patient information and send reminders, showcasing leadership and decision-making 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, demonstrating leadership, strategic mindset, and the ability to communicate complex AI concepts to non-technical stakeholders.