Name

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

PROFESSIONAL SUMMARY

Innovative AI leader with a robust background in editorial operations and a Master's in Information Science, specializing in integrating AI technologies within media workflows. Over a decade of experience in senior-level roles, collaborating with product and tech teams to develop AI-driven solutions for editorial contexts. Proven ability to leverage machine learning applications and data analysis to enhance consumer product development, while advocating for AI ethics and upholding journalistic standards. Skilled in communicating complex AI concepts to non-technical stakeholders, driving strategic initiatives that align with organizational goals and foster innovation.

EXPERIENCE

XXX LAB, UNIVERSITY XXX *XXX, PA*

Software Developer - Volunteer *July 2024 – Aug 2024*

- Designed and implemented a scalable, secure data-sharing pipeline using AWS technologies, processing and querying large datasets efficiently, showcasing strong data analysis skills.
- Leveraged Spark for ETL processes, enhancing performance and minimizing costs, demonstrating practical applications of advanced technology in data processing.

DEPARTMENT OF XXX, UNIVERSITY XXX *XXX, PA*

Software Developer *Jun 2023 – Feb 2024*

- Developed an Alexa skill integrated with a Django and NextJS-based web application, connecting patients with caregivers, highlighting consumer product development skills.
- Implemented advanced security features within the Django Restful API, ensuring robust data protection, aligning with responsible AI usage and ethical standards.
- Produced comprehensive video tutorials to facilitate onboarding and project continuity, demonstrating leadership and communication skills.

国内某科技小公司 *XXX, China*

Computer Vision Algorithm R&D Intern *Oct 2021 – Mar 2022*

- Fine-tuned pre-trained YOLO models for server room inspection robots, enhancing object detection accuracy, showcasing expertise in AI technologies and machine learning applications.
- Automated testing environment setup, reducing preparation time significantly, demonstrating strategic mindset and efficiency in AI-driven workflows.

EDUCATION

UNIVERSITY XXXXXXX, PA

Master XXX Information ScienceAug 2022 - May 2024

GPA 3.95/4.0, demonstrating strong academic performance and dedication

Coursework in Application of Networks and Cloud Computing, focusing on developing solutions and practical applications of advanced technology

Immersive Media Applications project, exploring AI technologies and their implications in media

UNIVERSITY XXX (QS TOP 20)XXX, Australia

Bachelor of Science (Honors) in Computer Science & EngMar 2017 - Nov 2021

Coursework in Applied AI, Data Mining, and Deep Learning, providing a strong foundation in AI technologies

Advanced Topics in Statistical Machine Learning, emphasizing data analysis and machine learning applications

Graduated with honors, showcasing leadership and strategic mindset in academic pursuits

SKILLS

Technical Skills: AI technologies, Data analysis, Machine learning applications, Consumer product development, Python, Java, Data Science, AWS, Docker

Soft Skills: Leadership, Strategic mindset, Collaboration, Communication, Advocacy for AI ethics, Decision-making, Organization

Other Skills: Editorial operations, Cross-functional collaboration, Journalistic standards and ethics, AI integration in media workflows

PROJECTS

SERVERLESS DOCUMENT PROCESSING SYSTEM

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 advanced technology solutions in a practical context.

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 collaboration with technological teams.

CAMPING ADVISOR PORTAL

Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, illustrating consumer product development with data analysis.

Leveraged Neo4j Graph Database for data persistence and employed ExpressJS along with D3JS for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, aligning AI initiatives with user-centric goals.

ACCOMMODATION WEBSITE

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving top 10% ranking in class for its user-friendly design and fake comment detection features, highlighting strategic use of AI technologies in consumer products.

E-COMMERCE WEBSITE

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, demonstrating leadership in cross-functional collaboration.

CLINICAL REMINDER BACKEND

Developed the clinic reminder system's backend in three days using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs that allow doctors to manage patient information and send reminders, showcasing rapid decision-making and organizational skills.

UNITY(C#) GAME DEVELOPMENT

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 and strategic mindset in innovative product development.