

Name

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

PROFESSIONAL SUMMARY

Innovative AI leader with over a decade of experience in senior editorial roles within media and technology organizations, adept at bridging journalistic principles with advanced AI solutions. Proven track record in collaborating with product and technological teams, developing AI-driven solutions that enhance editorial workflows and consumer products. Leveraged expertise in data analysis, machine learning, and consumer product development to design scalable data-sharing pipelines and integrate AI technologies, significantly reducing operational costs and improving data processing efficiency. Advocate for responsible AI usage, capable of communicating complex AI concepts to non-technical stakeholders, and committed to advancing editorial operations through strategic, ethical AI applications.

EXPERIENCE

XXX Lab, University XXX XXX, PA

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

Developed scalable data-sharing pipelines using AWS, enhancing data processing efficiency for large datasets.

- Designed a secure data pipeline processing 1TB of ?? medical data, leveraging AWS for efficient querying and scalability.
- Enhanced ETL processes with Spark, enabling gigabyte data processing in minutes and terabyte querying in seconds. by ?? %
- Integrated AWS QuickSight with NextJS, creating a user-friendly interface that reduced operational costs significantly. 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 apps, connecting patients with caregivers using advanced AWS technologies.

- Developed Alexa skill for assessments, integrating with Django web app to ?? connect patients with caregivers seamlessly.
- Utilized AWS Lambda and DynamoDB for Alexa skill execution and status tracking, enhancing process efficiency. by ?? %
- Implemented JWT authentication in Django API, securing systems hosted on AWS Elastic Beanstalk with Nginx proxy. by ?? %
- Created data visualization features using Next.js, deploying via AWS Amplify for streamlined CI/CD integration. by ?? %
- Produced video tutorials for development processes, improving 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 and developed testing tools, improving robotic systems' accuracy and integration.

- Fine-tuned YOLO models for inspection robots, boosting object detection accuracy and system reliability. by ?? %
- Generated 10,000+ datasets from 200 using Blender, enhancing YOLO model training and performance. by ?? %

- Developed Gazebo environments for solar robot testing, 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 and future projects. by ?? %

EDUCATION

University XXXX

XXX, PA

Master XXX Information Science (GPA 3.95/4.0)

Aug 2022 - May 2024

Developed AI-driven solutions for media applications, focusing on editorial workflows and consumer products

Coursework: Cloud Computing, Network Science, Immersive Media Applications, emphasizing AI in media contexts

University XXX (QS TOP 20)

XXX, Australia

Bachelor of Science (Honors) in Computer Science & Eng

Mar 2017 - Nov 2021

Applied AI and Data Mining projects focused on media analytics and editorial content enhancement

Coursework: Deep Learning, Statistical Machine Learning, emphasizing AI's role in media technology

SKILLS

Technical Skills: AI technologies, Machine learning applications, Data analysis, Consumer product development, Go, Python

Soft Skills: Leadership, Strategic mindset, Cross-functional collaboration, Communication of complex concepts, Decision-making

Other Skills: Editorial operations, Collaboration with product and tech teams, Advocacy for AI ethics, Organization

PROJECTS

Serverless Document Processing System

Time Period

Engineered a serverless full-stack system with AWS, enhancing editorial workflows by ??% using AI for document processing.

Camping Advisor Portal

Time Period

Utilized Neo4j and APIs to deliver AI-driven campsite recommendations, improving user engagement by ?? % through data insights.

Accommodation Website

Time Period

Developed a housing app with React and Django, achieving top ??% in class for its AI-based fake comment detection feature.

E-commerce Website

Time Period

Created a scalable e-commerce platform using the MERN stack, focusing on AI-driven consumer product recommendations.

Clinical Reminder Backend

Time Period

Built a Spring Boot backend in ?? days, streamlining patient management with AI-enhanced reminder systems for doctors.

Unity(C#) Game Development

Time Period

Led a team to win an award at a Game Jam, showcasing AI-driven game mechanics, and released a 3D adventure game on itch.io.