Amruth Kuntamalla

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PROFESSIONAL SUMMARY

AI/ML Engineer Intern skilled in neural networks, NLP, pattern recognition, and secure software development. 3+ years of experience in building scalable, cloud-native applications (Java, Python, Spring Boot, TensorFlow, AWS). Graduate student in Data Science, passionate about advancing secure AI platforms.

EDUCATION

Master of Science, Data Science New Haven, CT
University of New Haven *Jan 2024 – Present*

Bachelor of Technology, Electronics and Communications Tamilnadu, India
Indian Institute of Information Technology *Aug 2017 – May 2021*

PROFESSIONAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL
Machine Learning & AI: TensorFlow, scikit-learn, NLP, Pattern Recognition, Neural Networks
Cloud & DevOps: AWS, Docker, GitHub Actions, Kubernetes, CI/CD
Web & Software Development: Spring Boot, Django, React, RESTful API, Microservices
Data Tools & Analytics: Pandas, NumPy, Data Engineering, ETL Pipelines

ACHIEVEMENTS

- Reduced job page load times by 70% - Optimized distributed caching and service architecture for SmartHunter, dramatically improving platform performance and user experience.

- Automated 500+ daily workflows - Implemented scalable Python-based automation for university analytics, accelerating anomaly detection and saving 5+ hours weekly.

- Raised $1,000+ for team events - Orchestrated successful fundraising campaigns, building lasting partnerships and ensuring continued team success.

- Achieved 98% user satisfaction - Launched Artfolio AI platform, transforming resumes into portfolios for 300+ users with consistently high approval ratings.

EXPERIENCE

Graduate Assistant - Data Analyst New Haven, CT
University of New Haven *Mar 2024 – Dec 2024*

- Automated and scaled data workflows using Python, Pandas, and Selenium, processing 500+ transactions daily to enhance anomaly detection for university analytics projects.
- Built internal tools for research data analysis, improving accessibility and contributing to AI model development with enhanced UI/UX via JavaScript, HTML, CSS.
- Researched and restructured core data processes to increase onboarding efficiency and support new AI module integration.
- Collaborated with cross-functional teams, ensuring effective communication and agile project delivery.

Software Development Engineer I - Full Stack Hyderabad, India
XRG Solutions *Jan 2023 – Oct 2023*

- Enhanced OTT platform performance by 40% through optimizing React Native and backend APIs to support 10,000+ daily users, ensuring scalable and secure delivery.
- Instituted robust coding standards and peer reviews, boosting software reliability and protecting sensitive user data.
- Led troubleshooting and collaborated closely with clients and development teams to deliver new features and maintain high availability for enterprise-grade deployments.

Data Analyst & Full-Stack Developer Hyderabad, India
DataBeat Consulting *Jun 2021 – Nov 2022*

- Built and optimized real-time data pipelines and web applications for OTT/fitness clients, increasing accessibility for 15,000+ users while reducing app load time by 30%.
- Developed and deployed scalable analytics dashboards using Python, Django, and SQL, automating reporting and supporting ongoing AI/ML initiatives.
- Reduced manual data processing by 60% through end-to-end workflow automation, advancing process efficiency and enabling sophisticated data-driven decisions.

Projects

SmartHunter - Microservices-Based AI Job Discovery Platform | May 2025 – Present

- Engineered an AI-driven job platform using Java, Spring Boot, and Python to aggregate and classify over 20,000 roles daily with 95%+ accuracy.
- Implemented NLP-based ranking and real-time scrapers via Python ETL, supporting secure OAuth2 and JWT authentication.
- Managed scalable microservices on AWS, enabling fast job search and data access, while reducing job page load times by 70% with Redis caching.
- Integrated observability through Prometheus, Grafana, and automated CI/CD with GitHub Actions.

Artfolio - Resume to Portfolio Creator (AI-Powered) | *Artfolio* Jan 2025 – Apr 2025

- Developed an AI platform that converts resumes into personalized portfolio websites using Gen-AI in under 30 seconds.
- Served over 300 users with a 98% satisfaction rate; leveraged React, Node.js, Gen-AI, and automated CI/CD pipelines for seamless deployment.

Activities and Leadership

Fundraising Chair | *UNewHaven Badminton Team* Jan 2025 – Present
- Coordinated and led multiple campaigns, raising $1,000+ from local businesses and alumni to fund equipment and travel for the team.
- Built long-term partnerships and managed logistics for high-visibility events.

Captain | *IIIT Badminton Team* Jul 2017 – May 2021
- Led a 10-member team for four years; managed logistics and secured funding to support training and tournament participation.
- Drove 20% increase in participation and improved resource allocation.