PROFESSIONAL SUMMARY

Strategic AI leader with 8+ years building video ML systems at scale. Delivered high-impact solutions driving engagement through advanced computer vision and recommendation algorithms. Proven team leadership aligning technical initiatives with organizational objectives.

- Boosted video engagement by 40% using next-gen content algorithms, impacting millions globally.
- Scaled video AI platforms with petabyte processing, achieved 99.9% uptime for user base growth.
- Led 15+ engineers and data scientists, securing $2.5M funding by aligning AI roadmaps with growth.

WORK EXPERIENCE

DIRECTV LOS ANGELES   CA

Principal Data Scientist & Technical Lead   Video Analytics Dec 2021 - Present

- Directed strategic ML initiatives, growing video platform intelligence for 3M+ subscribers.
- Enhanced engagement by 36% via semantic analysis and behavior-driven content recommendations.
- Automated tagging, reducing manual effort by 85% and boosting content discovery by 40%.
- Developed quality models cutting streaming issues by 40%, improving retention on devices.
- Secured $2.5M funding by collaborating on next-gen video roadmap with cross-functional teams.

Landmark Health LLC Huntington Beach   CA

Senior Data Scientist   Machine Learning Engineering Jul 2019 - Dec 2021

- Led 5-member team delivering ML solutions, enhancing visual analytics in healthcare platforms.
- Built scalable AI framework, reducing assessment time by 40% and boosting diagnostic accuracy.
- Established real-time video processing, cutting adverse events by 30% with timely alerts.
- Implemented MLOps, reducing deployment time by 60% and enhancing model monitoring.
- Mentored junior scientists, improving project delivery by 30% through structured learning paths.

Capital Blue Cross Harrisburg   PA

Senior Business Consultant   Data Science Apr 2017 - Jul 2019

- Spearheaded ML models for decision support in healthcare, advising executive strategies.
- Advanced telehealth analytics, increasing provider efficiency by 25% through automation.
- Created ML pipeline, boosting platform adoption by 35% via personalized communications.
- Established data science CoE, standardizing ML practices and governance enterprise-wide.

EDUCATION

MS in Artificial Intelligence   Johns Hopkins University 2018-2023

- Researched video understanding, integrating deep learning, enhancing analysis accuracy

MS in Finance   University of Maryland 2012-2014

BS in Finance - University of Nottingham   China Campus 2008-2012

- Achieved First Class Honours, maintaining a GPA of 4.0/4.0 through rigorous study

SKILLS

Technical:

- Leveraged ML and Deep Learning to enhance video analytics, improving accuracy by 20%
- Implemented recommendation systems using large-scale ML, boosting engagement by 25%

Leadership:

- Directed team management and strategic planning to achieve a 15% productivity increase
- Coordinated cross-functional collaboration, enhancing project delivery efficiency by 10%

Platforms & Tools:

- Engineered solutions with PyTorch and TensorFlow, optimizing model performance by 30%
- Deployed ML models on AWS and Azure, reducing operational costs by 15%