

Amina Patel

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SUMMARY

Results-driven Senior Computer Vision Engineer with over 8 years of experience in developing cutting-edge machine learning applications. Proven track record of optimizing algorithms to enhance accuracy and efficiency, leveraging deep learning frameworks and advanced image processing techniques.

EXPERIENCE

Senior Computer Vision Engineer

Jan 2022 - Present

TechVision Innovations, San Francisco, CA

- Led a team to develop an object detection system that improved accuracy by 30%, significantly enhancing real-time tracking capabilities in autonomous vehicles.
- Optimized image processing algorithms, resulting in a 25% reduction in processing time and saving the company approximately \$200,000 annually in cloud computing costs.
- Implemented multi-modal deep learning models leveraging TensorFlow and PyTorch, improving performance on benchmark datasets by 15%.

Computer Vision Engineer

Aug 2018 - Dec 2021

Visionary Solutions LLC, Los Angeles, CA

- Designed and deployed a facial recognition system that achieved 98% accuracy, now used by major retail clients for loss prevention.
- Collaborated with cross-functional teams to integrate computer vision solutions into mobile applications, increasing user engagement by 40%.
- Conducted research on generative adversarial networks (GANs), leading to a patent for novel image enhancement techniques.

Junior Computer Vision Engineer

Jun 2015 - Jul 2018

Innovatech Labs, Boston, MA

- Assisted in the development of a real-time video analysis tool that reduced manual inspection time by 50%, enhancing operational efficiency.
- Contributed to the creation of an automated quality control system using OpenCV, resulting in a 20% decrease in defective products.
- Developed training datasets and fine-tuned machine learning models, improving detection rates of anomalies in image data by 35%.

EDUCATION

Bachelor of Science in Computer Engineering

May 2018

University of California, Berkeley, Berkeley, CA • GPA: 3.7

SKILLS

Technical Skills: Deep Learning, Image Processing, Machine Learning, Computer Vision

Tools & Frameworks: TensorFlow, PyTorch, OpenCV, Keras