

Aisha Patel

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SUMMARY

Dynamic and results-driven Senior Machine Learning Engineer with over 7 years of experience in developing innovative machine learning models and AI solutions. Proven track record of improving system performance and reducing operational costs through data-driven approaches.

EXPERIENCE

Senior Machine Learning Engineer

Jan 2022 - Present

Tech Innovations Inc., San Francisco, CA

- Led the development of a predictive maintenance model that reduced downtime by 30%, saving the company \$500,000 annually.
- Implemented a recommendation system which improved user engagement by 25%, contributing to a revenue increase of \$1 million in the first year.
- Collaborated with cross-functional teams to integrate machine learning solutions into production, enhancing scalability and performance.

Machine Learning Engineer

Jun 2018 - Dec 2021

Data Solutions Corp., Los Angeles, CA

- Developed and optimized algorithms for a fraud detection system, improving detection rates by 40% and reducing false positives by 15%.
- Contributed to a team that built an NLP-based chatbot, increasing customer satisfaction scores by 20% within the first 6 months.
- Utilized TensorFlow and PyTorch to create and deploy machine learning models, leading to a 50% faster model training time.

Data Scientist

Aug 2015 - May 2018

Analytica Solutions, New York, NY

- Executed data mining projects using Python and R, which resulted in actionable insights that led to a 15% increase in operational efficiency.
- Built machine learning pipelines using Scikit-learn, achieving a 95% accuracy rate on key classification tasks.
- Presented findings and strategies to stakeholders, driving data-informed decision-making across departments.

EDUCATION

Bachelor of Science in Computer Science

May 2018

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

SKILLS

Technical Skills: Machine Learning, Deep Learning, Natural Language Processing, Data Mining

Tools & Frameworks: TensorFlow, PyTorch, Scikit-learn, Kubernetes, Apache Spark