

**Name:** Rajesh Nair  
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**Objective:**

Machine Learning Engineer with hands-on experience in deep learning, computer vision, and natural language processing. Seeking an opportunity to develop AI-driven solutions to real-world challenges. Passionate about deploying AI models in production environments and optimizing model performance.

**Education:**

- M.Tech in Data Science, IISc Bangalore (2021-2023)

**Skills:**

- Programming: Python, C++, TensorFlow, PyTorch
- AI/ML: CNN, RNN, GANs, Transformers, Reinforcement Learning
- Data Engineering: Hadoop, Spark, SQL, Airflow

**Projects:**

- **Handwriting Recognition System:** Built an OCR model using CNNs with 98% accuracy, deployed on AWS Lambda for real-time use.
- **AI Chatbot for Healthcare:** Implemented an NLP-based chatbot using Rasa and Dialogflow, helping automate patient inquiries.
- **Autonomous Vehicle Detection:** Developed a YOLO-based object detection system for traffic monitoring.

**Certifications:**

- TensorFlow Developer Certificate
- AI & Machine Learning – Stanford Online
- Deep Learning Specialization – Coursera

**Internship Experience:**

- **AI Research Intern at OpenAI (2023)**
  - Contributed to research on transformer-based architectures for document summarization.
  - Optimized training pipelines, reducing compute cost by 30%.

**Achievements:**

- Published research on "Efficient AI Model Compression" in a top-tier journal.
- Won the Kaggle Computer Vision Hackathon 2023.