

PRASAD P R

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SUMMARY

Senior AI / ML Engineer with **7+ years of experience** in building **scalable AI solutions for production** with expertise in **Generative AI, LLMs, NLP, Computer Vision, and AI Infrastructure Optimization**. Skilled in **Python, TensorFlow, PyTorch, Hugging Face, Kubernetes**, and delivering enterprise-grade AI/ML systems from **development to deployment**.

PROFESSIONAL EXPERIENCE

AI Software Development Engineer

Intel Corporation — Bengaluru, India | **Jun 2022 - Present**

Technologies: Python, PyTorch, TensorFlow, OpenVINO, ONNX, Docker, Kubernetes, LLM APIs, LangChain, LlamaIndex, NLP, HuggingFace

- Spearheaded **model optimization and benchmarking** for Intel GPUs, achieving **10x performance improvements** for transformer-based models (Whisper, M2M100).
- Developed and deployed **automated pipelines for AI benchmarking** across distributed systems, reducing benchmarking time from **5 hours to 30 minutes** per machine.
- Enhanced AI performance via **ONNX Runtime and OpenVINO toolchain** optimizations, reducing analysis time by **50%**.
- Built a **real-time 3D camera calibration pipeline** leveraging Python, PyTorch, Open3D, and Docker, achieving **80% reduction in inference time**.
- Delivered scalable AI solutions integrated with **IoT devices (MQTT, video feeds)** for real-time computer vision and data visualization.
- Integrated AI telemetry pipelines and performance dashboards to improve system monitoring and **SLA/SLO adherence**.

System Software Development Engineer

Intel Corporation — Bengaluru, India | **Aug 2018 - Jun 2022**

Technologies: MERN Stack, Python, Microservices, CI/CD, Docker, Kubernetes

- Led the architecture and development of a **MERN-based AI Solution Delivery Platform** supporting **1000+ downloads**, improving access **latency by 30%** through microservices adoption.
- Developed internal management portals integrated with **CI/CD pipelines** (Git, Jenkins), reducing operational overhead by **80%**.
- Delivered scalable backend services aligned with best practices in microservices, containerization, and DevOps.

EDUCATION

Executive Post Graduation in Artificial Intelligence and Machine Learning 3.63/4 CGPA

International Institute of Information Technology - Bangalore & upGrad | Feb '24 — Apr '25

CGPA: 3.63/4

Bachelor of Engineering (B.E.), Computer Science & Engineering

JSS Academy of Technical Education, Bangalore | Aug '14 — Jul '18

Grade : Distinction

KEY PROJECTS

Automated Smart Reports using Generative AI (Internal Tool)

- Designed a **Generative AI system** leveraging LLMs and **Prompt Engineering** to automate report collation from distributed email inputs.
- Reduced reporting efforts from **5 days to 30 minutes** through AI-driven data extraction and summarization.

Smart Hiring and Resume Screening using Generative AI (Internal Tool)

- Built an **LLM-powered platform** using **LangChain** and **embeddings** for **semantic resume-job description matching**.
- Reduced manual screening time from hours to minutes, enhancing recruitment efficiency.

Finance and Stock Markets

- Developed an **Agentic AI system** using Python, Phidata, and Pandas for **automated company financial analysis**.
- Automated data gathering and analysis workflows for investment decision support.

AWARDS & CERTIFICATIONS

Divisional Recognition Award (DRA) - Intel

Innovation Star - Intel

Deep Learning With Pytorch Image Segmentation - [Coursera](#)

LangChain- Develop LLM powered applications with LangChain - [Udemy](#)

Generative AI with Large Language Models - [Coursera](#)

SKILLS

Python, JavaScript, Deep Learning, Generative AI, LLMs, NLP, Computer Vision, RAG, Knowledge Graphs, AI Agents, PyTorch, TensorFlow, Hugging Face, OpenVINO, ONNX, LangChain, LlamaIndex, Docker, Kubernetes, Microservices, REST APIs, CI/CD (Jenkins, GitHub Actions)
Pandas, NumPy, Open3D, SQL, NoSQL, Data Visualization, Quantitative Analysis, Git, Jupyter, VS Code, Postman, Prometheus, Grafana