Kamalam Sai Sivakumar

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Summary

AI/ML engineer with hands-on experience **building** deep learning and generative AI solutions, **optimizing** large-scale data workflows, and **deploying** systems on the cloud.

Currently pursuing an **MS in Robotics at NYU Tandon** to deepen expertise in autonomous systems and human-centered AI.

Education

Aug 2025 - present **MS Robotics** at **NYU Tandon** (GPA: -/4.0)
Key Modules: Foundations of Robotics, Mathematics for Robotics, Mechatronics

2017 - 2022 **M.Sc. Data Science** at **PSG College of Technology** (GPA: 8.53/10.0)
Key Modules: Calculus, Graph Theory, Applied Statistics, Network Science, Stochastic Modelling, Machine Learning, Deep Learning, Randomized Algorithms

Skills

Programming: Python, C++, Java, SQL, API design implementation, Linux, Docker

AI & Cloud Infrastructure: scikit-learn, PyTorch, TensorFlow, Keras, LangChain, LangGraph, AWS (Solutions Architect Associate, Jul 2022), Azure (AI Fundamentals, Aug 2024)

Work Experience

AI/ML Engineer - Kryptos Technologies, India May 2024 - Apr 2025
Designed bespoke generative AI solutions, including chatbots and an advanced image retrieval system, reducing design search time by 30% and boosting productivity.

Business Analyst - Everstage, India Oct 2023 - Mar 2024
Prepared reports and insights for stakeholders and assisted in streamlining workflows with RevOps.

Consultant - KPMG, India Jan 2022 - Aug 2023
Automated audit processes with Python/Alteryx, cutting runtime by 99.65% (2 days → 10 min), and built an AWS pipeline to streamline streaming data and improve analytics efficiency.

ERS Team Intern - HCL, India Jul 2020 - Oct 2020
Optimized inventory with price comparison logic, reducing procurement costs, while improving code development efficiency with best practices.

Projects

SpectraNet →
Learned to manipulate hyper-spectral datasets; compared CNN and clustering for classification, with CNN achieving highest accuracy.

ClipSearch - Kryptos Technologies
Built CLIP-based image retrieval system with Azure, cutting design search time and boosting productivity.

RecommEngine →
Tuned a personalized recommendation system to enhance user preference modeling and accuracy.