Sreekanth Potlabathini

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https://medium.com/@sreekanthpotlabathini │ https://sriku2412.github.io/

TECHNICAL SKILLS

AI & ML: Natural Language Processing (NLP), Computer Vision (CV), Anomaly Detection, Customer Segmentation, SHAP Explainability, Machine Learning, Deep Learning, KNN, K-Means, A/B testing, PCA, EM, Tree-based models, Boosting, Neural networks (PyTorch), RLHF

MLOps & Cloud: MLflow, Docker, Kubernetes, Git, GitHub Actions, CI/CD, AWS (S3, EC2, SageMaker, CloudWatch), GCP (Cloud Run, Pub/Sub, BigQuery, Vertex AI),

Data Engineering: ETL/ELT pipelines, Spark, Databricks, SQL (advanced), Data Visualization (Tableau, Power BI, Looker Studio), Grafana

DevOps & Tools: AWS DevOps, Jira, HubSpot API

Libraries & Frameworks: LangChain, LlamaIndex, TRL, Flask, OpenCV

Design & Simulation: CATIA V5, Ansys, GD&T, PLM

Management & Communication: Leadership, Team Building, Project Management, Innovation Development, Stakeholder Management, AI/ML Project Lifecycle, Product/Project Roadmap, Business Case Writing, Proposal Drafting, Reporting, Agile (user stories, SOPs, feature requirements, design specifications)

EDUCATION

Schulich School of Business, York University — Toronto, ON
Master of Business Analytics — *May 2023 – Apr 2024*
- GPA: 6.8 | Elected Cohort Representative (Graduate Business Council)
- Member: Schulich AI & Analytics Society (SaaS), Case Analysis Club
- Projects: motion detector, deep Q-Network, Digital earth Guardian, Live weather reporter

Seneca College — Toronto, ON
Graduate Certificate: Financial Planning — *Sept 2022 – May 2023*
- GPA: 3.8 | President's Honour List
- Registered for CFA Level I exam

Jawaharlal Nehru Technological University — Hyderabad, India
Bachelor of Technology: Mechanical Engineering — *May 2006 – Jun 2010*
- GPA: 74.6% (3.2) | Final year project: "D_CVT" (innovative concept)
- Top 5% in department with recognitions from HOD (Ch Nukaraju)

EXPERIENCE

Soralink – Montreal, Canada
Lead Data Scientist – Predictive Analytics — *May 2024 – Present*
- Built custom Python modules to automate full ML pipeline (data collection to prediction), with versioned YAML/SH/JSON configs for CI/CD (GitHub Actions) and scalable, secure deployments; implemented lifecycle management using model and artifact registry and AI explainability plot.
- Enhanced anomaly detection accuracy by 15%-22% through targeted feature engineering, unsupervised models, dynamic thresholding, and fine-tuning on walk forward analysis; developed automated pipelines (Cloud Run Jobs, cron), tracked experiments in MLflow, and applied double diamond design for roadmap.
- Delivered production-grade MLOps: CI/CD, automated alerting, data drift detection with observability dashboards and log-based metrics (AWS CloudWatch); scaled deployments across AWS & GCP using Docker, SQL, Cloud Run, and Pub/Sub for automation and real-time event handling.
- Owned DevOps pipelines: developed and optimized stored procedures integrating HubSpot, GCS, Grafana, enabling automated client alerting and faster response times.
- Created dynamic Grafana dashboards for battery life prediction and auto-scheduling of maintenance via HubSpot, improving proactive client servicing and operational efficiency.

Dotslive (Internship) – Toronto, Canada

Tech Consultant – Job Recommendation System   *Sept 2023 – Apr 2024*
- Built end-to-end job recommendation system using NLP, LLMs, customer segmentation, clustering, and dashboards for resume-job matching by industry, location, and Job Description.
- Developed SFT model hosted on Hugging Face for ethical, safe career coaching (sriku2412/unsloth_SFT_dotsLive); integrated GPT-3.5, LLaMA2, Mistral 7B with LangChain & RAG on Pinecone (≤15s latency).

Startupclub inc. (Paid Internship) – Toronto, Canada

MLOps Engineer – Proposal Gen & Chatbot (RAG)   *Jan 2024 – Apr 2024*
- Developed RAG-based chatbot with LlamaIndex embeddings stored on AWS S3; served via Docker-based backend on AWS.
- Built and tested chatbot (Node.js, React.js); added voice interaction—live at www.startup.club/ask-ai.

Hyundai Motor India Engineering – Hyderabad, India

Senior Research Engineer   *Apr 2021 – Aug 2022*
- Led fuel system strategy, optimized design with data analysis, CATIA, GD&T, achieving ₹1.2 Cr cost savings for Kia Sonnet & Hyundai Venue.
- Designed & delivered complete fuel/urea systems (Hyundai Venue, Kia Sonnet, Kia Sorento) from prototype to production, supporting after-sales.

Deputy Manager   *Apr 2016 – Apr 2021*
- Filed 4 patents for Euro 6 urea system; achieved 105% cost & 103% weight targets; CATIA trainer.
- Designed & supported for patented diesel filter for Kia Sportage with highest replacement period of 100,000 kms manufactured by Mahle & Mann Hummel (still in production).

Research Engineer & Assistant Manager   *Sep 2010 – Apr 2016*
- Presented thesis on urea icing; collaborated with OEMs on deformation studies.
- Designed chassis components (suspension, steering, brake, engine MTG); supported urea system development across commercial vehicle variants.

PATENTS
- US20170175911A1, US10500949B2, DE102017222785A1, US10632838B2

OTHERS
- Was on panel hosted by Microsoft react: https://developer.microsoft.com/en-us/reactor/events/24166/