Seyon Sri

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Technical Skills

Languages: Python, Java, JavaScript, TypeScript, SQL, C, C#, Swift, HTML/CSS
AI/ML: Deep Learning, Computer Vision, NLP, PyTorch, TensorFlow, Hugging Face, scikit-learn, XGBoost, OpenCV, Fine-Tuning
LLMs & GenAI: LLMs, Generative AI, RAG, Embeddings, Prompt Engineering, LangChain, Multi-Agent Systems, Gemini API
Full-Stack: React, Next.js, Node.js, Express.js, FastAPI, Spring Boot, Redis, Tailwind CSS, REST APIs, Auth0, PWA, Vite, Streamlit
Data & Databases: Pandas, NumPy, ETL, PostgreSQL, MySQL, MongoDB, Excel, Power BI, Matplotlib, Jupyter, Data Visualization
DevOps & Cloud: AWS (Lambda, S3), Docker, Kubernetes, Azure, Google Cloud, Git, CI/CD, Apache Airflow, Prometheus, Grafana
Tools & Practices: Agile, Jira, SDLC, OOP, Design Patterns, Data Structures, Unit Testing (pytest, Jest, JUnit), ServiceNow, Linux

Experience

Software Engineer Intern | *Scotiabank, Global Banking and Markets, Toronto ON* May 2026 – Dec 2026

- Ship **SQL** queries, workflow updates, bug fixes, and documentation for an internal **trade settlement** platform
- Gather **requirements** from **business stakeholders** to understand the operational purpose behind each change request
- Delivered **end-of-day settlement reporting** that identifies every trade settled that day for next-day review by operations
- Automated monthly **ServiceNow** ticket reporting in **Python**, categorizing request type, team vs. vendor, and resolver
- Selected for a **Carbon Studios** innovation term, building an **AI** assistant that reduces manual audit and compliance work

Machine Learning Developer → **AI Engineer** | *Sheridan Centre for Applied AI* Sep 2025 – Apr 2026

- Fine-tuned **MobileNet CNNs** to detect pediatric pneumonia in chest X-rays, benchmarked vs. larger models on a **DGX**
- Reached ***97.6%*** accuracy, ***95.8%*** sensitivity, ***99.4%*** specificity on ***1,000*** images (***21*** false negatives, ***3*** false positives)
- Analyzed false negatives for **image-quality** issues (blur, contrast, edge detail, sharpness) and tested **CLAHE** preprocessing

Technical Support Advisor | *Transcom, Remote* Oct 2020 – Feb 2022

- Supported ***500+*** users through **remote diagnostics** and structured troubleshooting, guiding users to self-resolve issues

Projects

Scotia Pathways - Scotiabank intern innovation team | *Next.js, TypeScript, FastAPI* May 2026 – Aug 2026

- Built **frontend** and **backend** on an **agile team of 5**, taking an **intern onboarding platform** from idea to working product
- Centralized onboarding that took the cohort about a month into **assigned roadmaps** and **task/subtask workflows**
- Built **progress tracking**, **manager dashboards**, **calendar deadlines**, profile cards, and an open-role **marketplace**

Outfitted - built at Hack Canada | *Next.js, Cloudinary, Google Gemini, Auth0* Mar 2026

- Built a **generative AI** wardrobe assistant: users upload clothes to get a digital closet and AI-generated outfit combinations
- Integrated **Cloudinary** background removal, the **Gemini API** for outfit generation, and **Auth0** login; hit all ***4*** sponsor tracks

HemoStat - Most Impactful Award @ DevOps for GenAI | *Python, Docker, Redis, LangChain* Nov 2025

- Engineered a **multi-agent** system of ***4*** autonomous agents that monitors **Docker** container health and remediates failures
- Integrated **GPT-4** and **Claude** APIs through **LangChain** for **LLM**-powered root cause analysis with confidence scoring
- Built the observability stack with **Prometheus**, **Grafana**, and a **Streamlit** dashboard tracking ***5+*** container health metrics

404cast - built at Hack404 | *React, Vite, Node.js, MongoDB, Express.js* Jul 2025

- Engineered a **full-stack safety PWA** over real Toronto Police crime data with **React/Vite**, **Node.js**, and **Google Maps API**
- Designed **MongoDB** schemas and **Express.js REST APIs**, with offline **PWA** support, caching, and end-to-end testing

Involvements

Hack the North | *Volunteer Staff, Photographer* Sep 2025, Sep 2026

- Supported logistics and participant experience for ***1,000+*** hackers at Canada's largest hackathon; 2026 photo team

BearHacks | *Organizer, Marketing Lead* Feb 2025 – May 2026

- Led marketing and photography across two organizing cycles; ***260+*** registrants, sponsors **Perplexity**, **Scotiabank**, **Google**

Sheridan Computer Science Club | *Executive, Developer* Jun 2025 – Present

- Led tech projects and programming competitions, organizing ***15+*** events to increase student engagement on campus

Education

Sheridan College Oakville, ON

Software Development & Network Engineering, Advanced Diploma | *3.75 GPA* *May 2024 – Aug 2027*

- **Relevant Coursework**: AI & Machine Learning, Database Design, Data Structures in C, Enterprise Java Development