

# Seyon Sri

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## EDUCATION

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**Sheridan College** | *Software Development & Network Engineering, 3.9 GPA* May 2024 – Aug 2027

- **Relevant Coursework:** Cloud Enabled Networks, Database Design, Software Design Fundamentals, Web Development, Enterprise Java Development, Programming Foundations - Python, AI and ML – Python

## TECHNICAL SKILLS

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**AI/ML:** Python, PyTorch, TensorFlow, scikit-learn, XGBoost, Pandas, NumPy, OpenCV, Imblearn  
**Full-Stack:** React, Next.js, Node.js, FastAPI, Express.js, Vite, Tailwind CSS, REST APIs, MongoDB  
**Data & Databases:** PostgreSQL, MySQL, SQL, MongoDB, Pandas, NumPy, Matplotlib, Seaborn  
**DevOps & Cloud:** Docker, Git, AWS, Google Cloud, Vercel, Railway, CI/CD  
**Development Tools:** Jest, JUnit, Postman, Visual Paradigm, UML, DevOps, Troubleshooting

## EXPERIENCE

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**Machine Learning Developer** | *Sheridan Centre for Applied AI, Oakville ON* Sep 2025 – Present

- Trained diagnostic AI with **PyTorch** ResNet, achieving **97.2%** accuracy on **6,000+** pediatric X-ray images
- Implemented **knowledge distillation** with **MobileNet** teachers to accelerate inference performance
- Developed preprocessing pipeline with **OpenCV**, **CLAHE**, and noise-reduction, boosting sensitivity to **94.5%**
- Optimized augmentation using **A/B testing**, reducing false negatives from **42** to **5** cases
- Built multi-platform deployment with Android app, web dashboard, and **FastAPI** server via **Docker**

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

- Supported **500+** users through **remote diagnostics** and structured troubleshooting methodologies
- Executed **system hardening**, **threat remediation**, and **security updates** to protect client systems
- Analyzed support patterns and implemented **workflow optimizations** to improve service quality

## PROJECTS

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

- Engineered multi-agent system with **4** autonomous agents for Docker container health monitoring & remediation
- Integrated **GPT-4** & **Claude APIs** via **LangChain** for AI-powered root cause analysis with confidence scoring
- Built production monitoring stack with **Prometheus**, **Grafana**, & **Streamlit** dashboard tracking **5+** metrics

**404cast** | *React, Vite, Node.js, MongoDB, Express.js, Google Maps API* Jan. 2025

- Engineered **full-stack weather platform** with **React/Vite** frontend and **Node.js** backend architecture
- Integrated **Google Maps API** and deployed **Progressive Web App** functionality for offline access
- Designed **MongoDB schemas** with **Express.js** REST endpoints enabling real-time data synchronization
- Optimized application performance through caching strategies and comprehensive end-to-end testing

**ThyroTrack** - 2nd Place @ **AI in Healthcare** | *Python, XGBoost, Pandas, Scikit-Learn* Feb. 2025

- Built AI-powered health monitoring app for thyroid patients using **Python** & **Pandas** to track **10+** key metrics
- Leveraged **Imblearn** and **Sklearn** to train an **XGBoost** model, achieving **91%** accuracy identifying issues
- Developed interactive app for daily health journaling, smart alerts, and trend tracking to boost self-awareness

## INVOLVEMENTS

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**Hack the North** | *Volunteer Staff* Sep 2025

- Supported Canada's largest hackathon with **1000+** participants, managing logistics and participant experience

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

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

**BearHacks** | *Organizer* Feb. 2025 – March 2025

- Coordinated registration for **260+** participants at hackathon sponsored by **Perplexity**, **Scotiabank**, and **Google**