AMAN HIRAN PUROHIT

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EDUCATION

Sheridan College, Trafalgar Campus, Oakville - *GPA: 3.74/4*　　　　　　　　　　*Expected Graduation: Dec 2025*

Computer System Technology Advanced Diploma—Software Development & Network Engineering

Relevant Coursework: Data Structures, Algorithms, Data Science, IoT Applications, MLOps, Big Data, IOS Development

SKILLS

Languages:　JavaScript (3 yrs) · Python (3 yrs)　SQL (2 yrs) ·　Java (2 yrs)　Swift (1 yr) · Typescript (2 yrs)　· C# (1 yr)

Software:　AWS · GCP · LangChain · Docker · Kubernetes · ReactNative · iOS · Terraform · Git · Bash · Next

Certifications: AWS Certified ML Engineer Associate · AWS Certified AI Practitioner ·　AWS Data Engineer (In-progress)

EXPERIENCE

Software Engineer - Generative AI | SUN LIFE ASSURANCE COMPANY, *Toronto, ON*　　　*May 2025 - Aug 2025*
- Designed LLM-powered data transformation framework to process **60K+** weekly queries across enterprise environments
- Built vectorization pipelines with Titan embedding & K-Means, reducing **17K+** categories to **30** clusters (**88% reduction**)
- Delivered **8+ KPI** dashboards via Splunk and DynamoDB to track **GenAI** adoption, efficiency gains & business impact
- Led an organization-wide app improvement initiative, proposing a solution projected to save **$700K–$1.2M** annually

Software Engineering Resident, HEADSTARTER, *New York, NY*　　　　　　　　*Aug 2024 - Apr 2025*
- Built **14+** machine learning, AI engineering, and full-stack projects in fast-paced software team environments
- Developed **5+** neural networks in Python & **11** apps in TypeScript on AWS/Vercel with dev and production environments
- Implemented llm-chaining, hyperparameter tuning, fine-tuning on **10+** LLM models controlling for latency & Accuracy
- Created **221+** commits on GitHub with 7-day deadlines, getting a Career Capital increase of **20%** from the start date

Learning Assistant - Software & Network Engineering, SHERIDAN COLLEGE, *Oakville, ON,*　　*Sep 2024 - Dec 2024*
- Modernized course curriculum by integrating tools such as **AWS** Skills Platform & Notion; engagement increased by **23%**
- Conducted **500+ sessions** on computer engineering; statistics improved scores by **33%** compared to the previous term
- Provided tailored support and accommodations to meet diverse accessibility needs, enhancing learning outcomes

Software Engineer, SKILL SQUIRREL, *Mississauga, ON,*　　　　　　　　　*Jan 2024 - Apr 2024*
- Enhanced portal usability by implementing an accessible design using **React**, and increased engagement by **25%**
- Achieved a **97%** defect-free rate by leading rigorous testing and debugging of production features using git and Docker
- Delivered **15+** feature tickets within sprint deadlines, collaborating with cross-functional teams to align project goals

LEADERSHIP EXPERIENCE

Vice President, Technology | Hackville' 26 | (9th Iteration of Canada's First College-Run Hackathon)　*Feb 2025 - Present*
- Building and scaling the portal while co-organizing Sheridan's flagship Hackathon for 400+ participants across Canada
- Leading a team of 9 Developers and 4 Designers for the hacker application form and exclusive sponsor access portal

Peer Mentor - Student Leadership | Peer Mentor Program　　　　　　　　*Apr 2025 - Present*
- Lead LeaderSHOP to cultivate leadership at the workplace and campus, boosted program traction by hosting 1:1
- Mentored more than 750+ students and faculty to cultivate robust conflict management styles

PROJECTS & ACHIEVEMENTS

Boilerplate CLI - 156+ Weekly Users | *(~25 hours)* - Link to Project | heyboilrplate.com　　　*May 2025*
- Published CLI with AI-powered code scaffolding (GROQ inference), achieving 156+ weekly users and 55+ waitlist signups
- Built an AI-integrated project scaffolding CLI that boosts development efficiency by **44%**, with **156+ weekly downloads**

Paragon CLI - {GenAI as a Service} | Team Project & Open-source *(~24 hours)* - Link to Project　　*Nov 2025*
- Developed an open-source CLI tool to deploy & scale GenAI agents on **AWS EKS**, saving **50+ hours** of manual **ClickOps**
- Automated containerized **GenAI agent** orchestration on AWS with Kubernetes & Docker for seamless system integration.

Hackathon Highlights & Open Source Contributions　　　　　　　　　*Oct 2024 - Present*
- 2nd Place – Canada DevOps CoP GenAI Hackathon (GTA edition) for a **scalable GenAI agent deployment** solution
- Improved cross-browser compatibility in **Internet Archive,** enhancing the experience for **4.6M+** monthly visitors PR Link
- Built diagnostic tools for **Puter**, enhancing alert debugging for **29K+** developers and **300K+** applications PR Link
- **Won 3 tracks** at the **Nosu AI Hackathon** for the **best AI use**, built in under **5 hours**, competing against **1,482 participants**