

NAYAN MAPARA

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EDUCATION

Bachelor of Computer Science, Specialty in Cloud Computing (Co-Op)

Sheridan College

Expected Apr 2027

Oakville, ON

Diploma in Computer Programming, Honours

Sheridan College

Graduated Apr 2024

Oakville, ON

EXPERIENCE

Software Engineer Fellow

Headstarter AI

Jul 2024 – Sept 2024

- **Engineered 5+ advanced AI applications and APIs** using Next.js, OpenAI, Pinecone, and Stripe, supporting a user base of **1,000** by leveraging efficient design and development strategies.
- **Spearheaded full-cycle project development from design to deployment**, leading and mentoring a team of **4+ engineering fellows** with MVC design patterns and Agile methodologies, resulting in successful project outcomes.
- **Utilized AWS services** (EC2, S3, Lambda, SageMaker) for scalable cloud infrastructure, ensuring reliable deployment and performance of AI applications.

Co-Founder & Software Developer

Northern Whisper

May 2024 – Present

- **Launched Northern Whisper waitlist**, achieving **1,200 LinkedIn impressions in 24 hours** with a **28.1% conversion rate**, and automated content updates via web scraping and API integration.
- Designed and maintained a **CI/CD pipeline with GitOps and Vercel**, reducing deployment time by **40%** and automating deployments to enhance DevOps efficiency.
- Spearheaded project management using **Notion and Agile**, optimizing workflows, conducting bi-weekly sprints, and delivering updates; boosted team productivity by **40%** and reduced project delivery times by **25%**.

Full-Stack Developer

Freelance

Mar 2021 – Present

- **Developed and maintained web applications** using Python and JavaScript, integrating SQL databases.
- **Implemented data-driven features** including custom reporting, data visualization, and predictive analytics and achieved a **27% increase in client acquisition** through targeted digital marketing.

PROJECTS

PhishBuster | Python, MySQL, Flask, Docker, Vercel

- Developed 'PhishBuster', a phishing detection tool using Python and Flask, with MySQL for database management and Docker for containerization, deployed on Vercel.

SignEase (Winner @ DeerHacks 3 Hackathon) | Machine Learning, Python, React, Three.js

- **Engineered a sign language learning web app** using Flask, React.js, and Three.js; achieved **95.7% hand recognition accuracy** with MediaPipe, enhancing accessibility for underrepresented groups.

Pantry Tracker | Next.js, Firebase, GCP

- **Developed an inventory management application** with Next.js and Firebase; implemented bonus features including image classification using GCP Vertex AI and recipe suggestions via OpenAI API.

AWARDS & CERTIFICATIONS

Runner Up Winner – DeerHacks 3, University of Toronto Mississauga

Pursuing Associate Cloud Engineer by GCP (Sponsored & Trained by Google)

SKILLS

Languages

Frameworks & Libraries

Cloud & DevOps

Databases & Tools

Python, Java, C, C#, JavaScript, HTML, CSS, Bash, Powershell

Flask, Angular, React.js, Spring Boot, ASP.NET, REST APIs

AWS, Azure, GCP, Kubernetes, Docker, Jenkins, Git

MySQL, MongoDB, Agile, Scrum, Jira