

NAYAN MAPARA

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EDUCATION

Bachelor of Computer Science, Specialty in Cloud Computing (Co-Op) <i>Sheridan College</i>	Expected Apr 2027 Oakville, ON
Diploma in Computer Programming, Honours <i>Sheridan College</i>	Graduated Apr 2024 Oakville, ON

EXPERIENCE

Software Engineer Fellow <i>Headstarter AI</i>	Jul 2024 – Aug 2024
<ul style="list-style-type: none">Engineered 5+ Advanced AI Applications and APIs leveraging Next.js, OpenAI, Pinecone, and Stripe API, efficiently supporting a user base of 1,000.Spearheaded Full-Cycle Project Development from initial design through to deployment, successfully mentoring and leading a team of 4+ engineering fellows utilizing MVC design patterns.Utilized AWS services such as EC2, S3, Lambda, and SageMaker for scalable cloud infrastructure, ensuring reliable deployment and performance of AI applications.Acquired Expertise through Coaching from industry leaders at Amazon, Bloomberg, and Capital One, mastering Agile methodologies, CI/CD processes, Git version control, and microservices architecture.	
Co-Founder & Software Developer <i>Northern Whisper</i>	May 2024 – Present
<ul style="list-style-type: none">Orchestrated the launch of the Northern Whisper newsletter waitlist, achieving 1,200 LinkedIn impressions within 24 hours and converting 28.1% of engagements into subscribers.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%.Implemented an advanced content aggregation system using automated web scraping and API integration to gather and curate relevant news and updates for the newsletter, ensuring timely and accurate information delivery.	

PROJECTS

WhisperBackend <i>Python, MongoDB, Docker, Flask, Vercel</i>
<ul style="list-style-type: none">Developed a scalable backend service for web scraping and user subscription management using Python, Flask, and MongoDB, containerized with Docker, managed using GitOps and deployed on Vercel.
SignEase (Winner @ DeerHacks 3) <i>Machine Learning, Python, React, Three.js</i>
<ul style="list-style-type: none">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.
Drive Sync - Car Rating App <i>Java, JavaFx</i>
<ul style="list-style-type: none">Created a JavaFX-based Car Rating App, enabling users to rate, review, and access detailed information on car models, utilizing file I/O for data storage and dynamic data structures for car management.

AWARDS & CERTIFICATIONS

Awarded Runner-up, DeerHacks 3 Hackathon at University Toronto Mississauga (183 participants)
Earned Gold Badge (5 Stars) in Problem-Solving and (5 Stars) in Python on Hackerrank

SKILLS

Languages: Python, Java, C, C#, Bash Script, Powershell, JavaScript, HTML, CSS, XML, JSON
Frameworks & Libraries: Flask, Spring Boot, ASP.NET, Angular, React JS, RESTful APIs, Maven
Cloud: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
DevOps: Kubernetes, Terraform, Docker, Jenkins, Git
Interpersonal Skills: Communication, Teamwork, Problem-Solving, Leadership, Time Management, Adaptability
Other Skills: MySQL, MongoDB, Agile, Scrum, Jira, MVC