

# NAYAN MAPARA

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## PROFESSIONAL SUMMARY

- **Software Engineer** specializing in **scalable web applications** and **AI solutions**.
- **Experienced Full-stack developer** skilled in **cloud computing** and **DevOps practices** like **CI/CD** and **Kubernetes**.
- **Proven leader** in driving projects from conception to deployment, mentoring teams and leading workshops.
- Passionate about crafting **user-centric, accessible, and efficient solutions**.

## EDUCATION

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

## EXPERIENCE

<b>Software Engineer Fellow</b> <i>Headstarter AI</i>	<b>Jul 2024 – Sept 2024</b>
<ul style="list-style-type: none"><li>• Engineered <b>5+ AI applications</b> with Next.js, OpenAI, Pinecone, and Stripe, supporting <b>1,000</b> users.</li><li>• Led full-cycle development from design to deployment, mentoring <b>4+ fellows</b> using MVC patterns and Agile.</li><li>• Leveraged <b>AWS</b> (EC2, S3, Lambda, SageMaker) for scalable cloud infrastructure, ensuring reliable AI deployments.</li></ul>	
<b>Co-Founder &amp; Software Developer</b> <i>Northern Whisper</i>	<b>May 2024 – Present</b>
<ul style="list-style-type: none"><li>• Launched Northern Whisper waitlist, achieving <b>1,200 LinkedIn impressions</b> and <b>28.1% conversion</b>.</li><li>• Designed and maintained a <b>CI/CD pipeline with GitOps and Vercel</b>, cutting deployment time by <b>40%</b>.</li><li>• Managed projects with <b>Notion and Agile</b>, increasing productivity by <b>40%</b> and cutting delivery times by <b>25%</b>.</li></ul>	
<b>Full-Stack Developer</b> <i>Freelance</i>	<b>Mar 2021 – Present</b>
<ul style="list-style-type: none"><li>• Created <b>10+ web applications</b> using <b>Python</b> and <b>JavaScript</b>, ensuring high client satisfaction.</li><li>• Used <b>SQL</b> and <b>PowerBI</b> for detailed reporting and predictive analysis, driving strategic decisions and insights.</li><li>• Implemented data-driven features, increasing client acquisition by <b>27%</b> through targeted marketing.</li></ul>	

## PROJECTS

<b>PhishBuster</b>   <i>Python, MySQL, Flask, Docker, Vercel</i>
<ul style="list-style-type: none"><li>• Developed a phishing detection tool with <b>Python, Flask, MySQL</b>, and <b>Docker</b>, deployed on Vercel.</li></ul>
<b>SignEase (Winner @ DeerHacks 3 Hackathon)</b>   <i>Machine Learning, Python, React, Three.js</i>
<ul style="list-style-type: none"><li>• Engineered a sign language learning web app with <b>Flask, React.js</b>, and <b>Three.js</b>, achieving <b>95.7% hand recognition accuracy</b> using MediaPipe and enhancing accessibility for underrepresented groups.</li></ul>
<b>Pantry Tracker</b>   <i>Next.js, Firebase, GCP</i>
<ul style="list-style-type: none"><li>• <b>Developed an inventory management application</b> with Next.js and Firebase; implemented bonus features including image classification using GCP Vertex AI and recipe suggestions via OpenAI API.</li></ul>

## AWARDS & CERTIFICATIONS

<b>Runner Up Winner</b> – DeerHacks 3, University of Toronto Mississauga
<b>Pursuing Associate Cloud Engineer by Google Cloud</b> (Sponsored & Trained by Google)

## SKILLS

<i>Languages</i>	<i>Python, Java, C, C#, JavaScript, HTML, CSS, Bash, Powershell</i>
<i>Frameworks &amp; Libraries</i>	<i>Flask, Angular, React.js, Spring Boot, ASP.NET, REST APIs</i>
<i>Cloud &amp; DevOps</i>	<i>AWS, Azure, GCP, Kubernetes, Docker, Jenkins, Git</i>
<i>Databases &amp; Tools</i>	<i>MySQL, MongoDB, Agile, Scrum, Jira</i>