

NAYAN MAPARA

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GitHub: github.com/nayanmapara | Portfolio: nayanm.me

SUMMARY

I am a 3x hackathon winner and an active learner, committed to innovation and continuous growth. As a team-oriented individual, I focus on creating impactful, user-centric solutions. Driven by challenges, I am passionate about delivering meaningful results and always strive to make a positive impact through my work.

EDUCATION

Bachelor of Computer Science, Specialty in Cloud Computing <i>Sheridan College</i>	Expected Apr 2027 Oakville, ON
Diploma in Computer Programming, Honours <i>Sheridan College</i>	Jan 2023 - Apr 2024 Oakville, ON

WORK EXPERIENCE

Research Assistant - IoT and Web Applications <i>Sheridan College</i>	Jan 2024 – Present
<ul style="list-style-type: none">Built a real-time IoT app using Django REST Framework and React for patient monitoring.Integrated WebSockets for live data streaming and interactive health metric visualizations.Optimized SQL (MySQL) and NoSQL (MongoDB) databases for scalable, efficient data management.Modernized research concepts with AI techniques and explored disaster-specific data protocols.Implemented analytics dashboards to identify trends and anomalies in vital signs data.	
Software Engineer Fellow <i>Headstarter AI</i>	Jul 2024 – Sept 2024
<ul style="list-style-type: none">Engineered 5+ AI applications with Next.js, OpenAI, Pinecone, and Stripe, supporting over 1,000 users.Led full-cycle development from design to deployment, mentoring 4+ fellows while using MVC patterns.Leveraged AWS (EC2, S3, Lambda, SageMaker) for scalable and reliable cloud infrastructure deployments.Worked with a cross-functional team to resolve production issues, boosting uptime to 99.9%.Designed and deployed serverless architectures using AWS Lambda, reducing infrastructure costs by 20%.	

PROJECTS

Inventory Management Application <i>Java, Spring Boot, MySQL, Azure</i>
<ul style="list-style-type: none">Developed a RESTful backend with Java and Spring Boot for inventory management.Configured MySQL with JPA/Hibernate for relational data persistence.Deployed on Azure App Service using pipelines for automated delivery.
Geese Love Merch <i>Unity, C#, 3D Game Development</i>
<ul style="list-style-type: none">Won Ubisoft Game Dev Challenge title at Hack the North, University of Waterloo; Team of 4Designed and developed an engaging 3D game leveraging Unity and C# for dynamic gameplay mechanics.
SignEase <i>Machine Learning, Python, MediaPipe, React, Three.js</i>
<ul style="list-style-type: none">Won Runner-Up title at DeerHacks 3, University of Toronto Mississauga; Team of 4Developed a web app using Flask, React.js, Three.js, and MediaPipe, integrating hand recognition.Achieved 95.7% accuracy in hand recognition, enhancing accessibility for underrepresented groups.

CERTIFICATIONS

Google Cloud Associate Cloud Engineer	Expires Oct 2027
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SKILLS

Languages & Scripting: Python, Java, C/C++, C#, JavaScript, TypeScript, HTML, CSS, Bash, Powershell
Frameworks & Libraries: Django, Spring Boot, Flask, Angular, React.js, ASP.NET, REST APIs
Tools: AWS, Azure, GCP, Kubernetes, Docker, Jenkins, Terraform, Git, MySQL, MongoDB, Jira, Firebase, Linux
Skills: Full Stack Development, OOP, DevOps, Infrastructure, Software Engineering, Scrum