

# Sneh Shah

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## EDUCATION

### University of Waterloo

*Candidate for Bachelor of Applied Science, Management Engineering*

Waterloo, ON

Sep. 2021 – Apr. 2026

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, SQL, Visual Basics for Applications, HTML, CSS

**Technologies:** React, GraphQL, Node.js, Express, Matplotlib, Next.js, Flask, Chakra UI

**Developer Tools:** Git, MongoDB, Terraform, GCP, Kubernetes, Excel, Figma, Netlify

## EXPERIENCE

### Nokia

*Software Engineer Intern*

May. 2022 – Sept. 2022

Ottawa, Ontario

- Developed 10+ Python scripts to automate daily tasks; including, extracting specific regions, fetching IP and Firewall servers, and cleaning excess data from global databases, streamlining internal Terraform processes by 40%
- Spearheaded an enterprise web-application for 800+ client engineers using JavaScript and Flask to perform queries in Nokia's shared databases, improving pipeline processes by 20%
- Automated an internal DNS tool with Python Scripting and API requests to routinely update the NetHub and Local Office database of 500,000+ domains saving 8 hours per week
- Re-provisioned existing cloud infrastructure and managed cloud resources using GCP tools; such as Kubernetes, Virtual Machines, Containers, and Cloud DNS, reducing costs by 2%
- Engaged in agile development by creating user stories, leading investigations to analyze root-cause discrepancies, and participating in Sprint reviews

### Programming Instructor

*Hack Club*

Sep. 2020 – May. 2021

Brampton, ON

- Instructed 75+ students on programming and UI/UX design weekly using Figma, Adobe CC, Python, and Java
- Co-led and organized a 48-hour virtual hackathon for 100+ attendees with \$500 in prizes
- Designed 10+ mock-up screens for IOS app with animations using human-centered design skills and Figma

## PROJECTS

### ManageMe! | *GraphQL, MongoDB, Express, React, Node.js, Apollo Client*

- Developed an interactive project management platform using MERN stack and GraphQL to help clients coordinate projects to improve productivity
- Built an Express server using Node.js for fetching data from MongoDB and queried it with GraphQL and Apollo Client on the front-end
- Created reusable React Components to perform CRUD functionalities for friendly client side interaction

### StockMarketX | *Python, Matplotlib, Quandl Package, SKLearn*

- Developed and Deployed a Machine Learning application focused on building regression models to analyze and predict stock price data 30 days into the future using Python and Matplotlib
- Utilized Quandl package and SKLearn to read stock data, create testing data sets, and standardize input data

### Real Estate Explorer | *React, Next.js, Chakra UI, RapidAPI*

- Developed a Full Stack web application using React and Next.js for filtering through 100's of Real Estate Properties
- Implemented Chakra UI functionalities to create the UI and utilized a Real Estate API to fetch all property data
- Planned a comprehensive design including typography, illustrations, prototyping, and layout using Figma

## AWARDS AND DISTINCTIONS

**Network Operations and Cloud Infrastructure Certificate** | *Google Cloud Platform*

2022

**Hackathon Top 10 Design** | *University of Waterloo Engineering Hackathon*

2021

**Hackathon Best Pitch** | *S.P.A.R.K - STEAM Project Association of Research and Knowledge*

2020

**3-time DECA Provincials Champion** | *Ontario DECA*

2019, 2020, 2021