

Nivid Shah

Burnaby, BC

<https://www.linkedin.com/in/nividshah>

778-245-2008 / nividshah@gmail.com

<https://github.com/NIVIDSHAH208>

Computer Science post-graduate student with a bachelor's degree in engineering, actively looking for full-time opportunity as a **Full Stack Software Developer**. Extremely efficient in **Java, JavaScript**, and **SQL** with sound knowledge of **data-structures, algorithms, and object-oriented programming**. Always eager to solve problems with a great passion to learn & work with the newest tech stacks.

Technical Skills

Programming

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

Web Frameworks

React, Spring, Spring Boot, Node.JS, Express, jQuery

Databases

SQL (SQL Server, Oracle), MongoDB (NoSQL)

Tools

GIT, GitHub, Postman, Firebase, AWS S3, Tableau, Power BI

Testing & Others

JUnit, Mockito, REST APIs, Documentation, Agile and Scrum, MS Excel

Education

Computer and Information Systems - Data Analytics (Post-Baccalaureate Diploma)

Douglas College, New Westminster, BC

January 2021 - December 2022

- GPA: 4.05/4.33 (Dec-2022 graduation)
- Received International Returning Student Scholarship, Three-time Dean's List, and one time Honor's Roll
- Relevant courses: Java, C# Programming, SQL and MongoDB, Operating Systems, Data Visualization, Machine Learning, Web-Development, Android App Development, Statistics, Software Engineering

Instrumentation and Control - (Bachelor of Engineering)

Gujarat Technological University, India

July 2016 – August 2020

- GPA: 9.03/10
 - Relevant courses: Power Electronics, Advance Control Theory, Industrial Drives and Control, Distributed Control Systems, Analog & Digital Communication, Embedded programming, PLC & HMI programming, Advanced Numerical & Statistical methods
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Work Experience

Computer Science Tutor – Learning Centre

Douglas College, New Westminster, BC

September 2021 - Present

- Supported students to build core foundation in Java, C#, JavaScript, SQL, Python, & tools MS Excel, IntelliJ, Eclipse, and more. College Reading & Learning Association 2 certified advanced tutor with more than 200 tutoring sessions.
- Collaborated with other tutors to present workshops & events in front of more than 50 students.

Computer Lab Assistant (Java, C#)

Douglas College, New Westminster, BC

May 2021 - Present

- Developed strong debugging skills by assisting more than 250 students & 5 support instructors in 5 semesters by solving complex problems and inquiries related to assignments, and course work.
- Mentored students to develop study skills, understand course material, and meet their learning goals.

Automation Specialist

Advaitya Dye Chem, Ahmedabad, India

December 2019 – November 2020

- Developed comprehensive PLC and SCADA programs for distributed control systems and performed continuous improvements to meet the changing production requirements.
- Communicated and coordinated production activities with project lead. Instructed field engineers on how to operate low to medium complexity SCADA and control system troubleshooting.

Technical Projects

Full-stack e-commerce web application using Spring Boot

- Designed and developed a highly scalable Spring boot web application and deployed it on Heroku. Integrated PayPal payments, OAuth 2.0 Authentication, and deployed on Heroku and personal domain.
- Constructed Google Charts Visualization using API and cross-platform data for informed decision-making.
- *Technologies Used:* Java, Hibernate, JavaScript, Rest API, JUnit, Mockito, AWS S3

Nuclei-Detection System using CNN

- Programmed an application that could detect the presence of a disease by alteration in cell nuclei with **91% accuracy**. Users can send an image to the web page and get an image with nuclei detected as a response.
- *Technologies Used:* U-Net Model, Convolution Neural Networks, Keras, Tensorflow, CV2, Numpy, Pandas, Matplotlib, Seaborn, Flask

Tumor Detection System

- Programmed an application which can detect a tumor in raw medical images with **95% accuracy**, thereby expediting the treatment of the disease.
- *Technologies Used:* U-Net Model, Convolution Neural Networks, Keras, Tensorflow, CV2, Numpy, Pandas, Matplotlib, Seaborn.

Publication

- ***“Automation in Government Ration Distribution System using Atmega32 and RFID”***, International Research Journal of Engineering and Technology, Volume: 7, Issue: 4, (3444-3448)

Certifications

- “Business Statistics and Analysis Specialization” – Coursera
- “SQL - MySQL for Data Analysis and BI” - Udemy
- “Understanding and Visualizing Data with Python” - Coursera

Extra Activities

- Smart India Hackathon: Finalist in a nationwide hackathon organized by Ministry of Human Resources Development, India.
- Interests: Aviation, Artificial Intelligence, Industry 4.0, Human Psychology