

Dev Kalavadiya

✉ dk3936@nyu.edu ☎ +1 9172166427 📍 New York City, USA in Dev Kalavadiya 📁 Portfolio

EDUCATION

New York University Abu Dhabi, <i>B.S. in Computer Science and Interactive Media, Minor in Applied Mathematics, GPA:3.96/4.0</i>	08/2020 – 05/2024 Abu Dhabi, UAE
Swami Vivekananda High School Fiji Year 12 Certificate Examination ranked 1st in class of 280.	01/2014 – 12/2019 Nadi, Fiji

PROFESSIONAL EXPERIENCE

Web Development and Photogrammetry Intern, DHAKIRA Center for Heritage Studies <ul style="list-style-type: none">Developed a database website 🔗 for old shipping records with more than 75,000 entries.Implemented a comprehensive backend search engine and improved speed by 80%. Optimized auto suggestion to be 2x faster.Created collections in MongoDB and linked 3 separate databases together to the backend.Automated data filtering, cleaning, and seeding of the entries using Mongoose.js.Performed photogrammetry of primitive sailing boats and generated 3D scans of 50+ components, allowing the boat construction to be documented.	10/2021 – present Abu, Dhabi
VR Logistics Intern, Mental VR <ul style="list-style-type: none">Successfully managed and directed the VR headset training for almost 40 participants in virtual events at Expo 2020.Responsible for the content sharing of the White Cell media.Delivered project demonstrations and showed custom-made Virtual environments to high-ranking government officers of the Gulf.	11/2021 – 05/2022 Abu Dhabi, UAE
Web Designer & Developer, New York University Abu Dhabi <ul style="list-style-type: none">Built a fully-fledged travel blog website 🔗 for a professor using custom CSS and HTML where needed and transferring content to new site on WordPress.Documented the usage and management of the website for the Professor.Designed the layout of the website along with the logo and edited pictures in Photoshop.	06/2021 – 07/2021 Abu Dhabi, UAE

PROJECTS

CLI Shell, C/Linux/Scheduling Algorithms/Socket Programming/Remote Multitasking 🔗 <ul style="list-style-type: none">Implemented a Linux shell with multi-threading and scheduling capabilities.Integrated a remote access capability that allows users to use the shell simultaneously.	01/2022 – 05/2022
Arcade.ai, ML5, Teachable Machine, AI, P5.js, Posenet, Python 🔗 <ul style="list-style-type: none">Trained and built different machine learning algorithms to develop an arcade of games with gesture and voice controls in real time.Used ML5 image classification and Google's Teachable Machine to gather input and train models for classifying inputs and integrating them into the game using P5.js code	11/2021 – 12/2021

AWARDS

Google Hash Code, Google 🔗 <ul style="list-style-type: none">Solved a traffic system management challenge involving real-time and hypothetical road networks.Competed and secured first leaderboard position in the regional Hub	21/04/2021
1st Position- NYU CSAW'21 Hack3D Fall Challenge, NYU Tandon School of Engineering 🔗 <ul style="list-style-type: none">Investigated CAD models for cyber security flaws in the additive manufacturing processPresented findings in a report to judges and researchers in the final of the competition	14/11/2021
Best Social Good Applied to the Region, NYUAD Hackathon: Focusing on Quantum Computing <ul style="list-style-type: none">With a focus on healthcare, My team and I used Quantum Machine Learning to create an early-stage Diagnostic & Treatment Access Platform for people suffering from Autism.Technology: Qiskit, D-wave, Bracket, qBraid	

TECHNICAL SKILLS

Languages

Python, C++, C, HTML/CSS, JavaScript

Tools/Frameworks

React, Postman, GitHub, Node.js, MongoDB, Git, VS Code, Express, Mongoose.js