

DIPTI RAZDAN

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SUMMARY

Full Stack Web Developer and an engineer with a background in the education sector and a curious learner for life. Effective in developing user-friendly applications and looking to bring my technical skills adding value to an organization which in turn can let me to contribute the community through my work.

TECHNICAL SKILLS

Languages: JavaScript, CSS3, HTML5, C++, Python

Applications: GitHub

Integrated Development Environment and Framework: Visual Studio Code, Repl.it, Arduino

PROJECTS

Vibe Musical | [Link to GitHub](#) | [Link to Deployed Project](#)

- Summary: A unique API based app dedicated to music where one can learn any instrument, get to know about its history and even play the instrument.
- Role: Front end designer
- Tools: HTML5, CSS3, JavaScript, Bulma, API's, Font Awesome

Toddler Town | [Link to GitHub](#) | [Link to Deployed Project](#)

- Summary: A full stack application that allows a user to either signup or login to the app and based about his preferred location across Canada, he can find Ten most popular and affordable day cares in the area. Also, the members can have discussion about a day care, ask a question and edit it if needed and put in a general review about the app.
- Role: Full Stack developer and designer
- Tools: Handlebars, CSS3, JavaScript, Bulma, API's, Font Awesome, Sequelize, My SQL, Express, bcrypt.

Code Quiz | [Link to GitHub](#) | [Link to Deployed Project](#)

- Summary: A web app designed to simulate a quiz taking environment wherein score, time and penalty points can be maintained for multiple players.
- Role: Sole author
- Tools: HTML5, CSS3, JavaScript

Weather Dashboard | [Link to GitHub](#) | [Link to Deployed Project](#)

- Summary: Weather app that provides forecasts for weather in various cities.
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Open Weather API, Bootstrap, moment.js

EXPERIENCE

Coding Instructor Freelance

**2020-Present
Ontario, Canada**

- Taught Python, C/C++, Arduino Robotics, LEGO and Basic Electronics and Electrical to students of age group between 12 to 17 years
- Devised learning improvement plans by uncovering areas of weakness in students.

Key Accomplishment:

- Independently designed and enhanced programs that elevated my working proficiency and student learning

**Career Break
Maternity**

**2015-2019
Ontario, Canada**

- Had a wonderful opportunity of giving birth and taking care of the needs of my son.
- Resumed work once he started Kindergarten

Key Accomplishment:

- Raising a child, and it is still an ongoing process.

**Applied Technology Teacher- Electrical
Institute of Applied Technology**

**2011-2014
Abu Dhabi, U.A.E.**

- Taught theory and practical of Electric Circuits and Electric Machines, Microprocessor Systems, Analog & Digital Electronics, Nuclear Energy, Electrical Fundamentals and Electrical Installation.
- Created tests and assignments to assess student knowledge of coursework and lecture materials.
- Assisted students in developing project topics by offering suggestions and contacting appropriate research sources.

Key Accomplishments:

- Presented with the Best Teacher Award.
- Passing rate of the students for my subject was always more than 95%

**Lecturer-Electronics and Communication Engineering
Chandigarh Engineering College**

**2006-2010
Punjab, India**

- Subjects taught included teaching the theory and practical of Object-Oriented Programming in C++, Digital Communication, Microprocessor System, Cellular & Mobile Communication and Robotics.
- Used PowerPoint to develop visual, feature-rich presentations to engage students.
- In charge of creating time table for the students

Key Accomplishments:

- Impressed by my performance as a student of the same college, I was asked to join them as a Lecturer.
- Presented with the Best Teacher Award consecutively for two years
- Although being from an electronics background, I was still the preferred lecturer for teaching Computer Engineering, Electrical Engineering and Management related subjects.

EDUCATION

**Carleton University, Ottawa, Ontario
Certificate, Full Stack Web Development**

2021

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handlebars.js & ReactJS.

**University of Waterloo, Ontario
Professional Development Course, Python 3**

2020

A certificate program focused on creating basic programming structures including decisions and loops and covering advanced topics like object-oriented programming with classes, exceptions, data structures and programs with graphic elements that range from simple shapes to graphical user interface objects.

**Birla Institute of Technology and Science Dubai, U.A.E.
Master, Microelectronics Engineering**

2013-2015

Over a span of 2 years, this course covered the broad areas such as Modeling of Microelectronic Devices, IC Fabrication Technology, VLSI Architecture and Design, CAD tools for Analog and Digital IC Design in addition to the study of MEMS technology.

Chandigarh Engineering College, Punjab, India
Bachelor, Electronics and Communication Engineering

2002-2006

Got a hands-on experience on use of electronic, electrical and computer systems. The course included core subjects as well as advance practical based subjects like Advanced Communication Design, PCB Design & 3D Modeling, Analog VLSI Circuit Design, Digital System Design, Advanced Microcontrollers and C/C++