

# DIPTI RAZDAN

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

## 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, C++, Python

**Applications:** GitHub

**Tools:** jQuery, JSON, Bootstrap

**Integrated Development Environment and Framework:** Repl.it, Arduino

## PROJECTS

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

- Summary: A unique musical website where you can know about the history of any musical instrument from the world, learn to use it through video tutorials and play some musical instruments as well.
- Role: Front end designer
- Tools: HTML, CSS, JavaScript, Bulma, API, Font Awesome

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

- Summary: The quiz asks the user some code related questions and increases the score by one for each correct answer or decreases the time by 5 seconds if your answer is incorrect.
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Screencastify

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

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

## EXPERIENCE

### Instructor Freelance

**2020-Present**  
**Ontario, Canada**

- Subjects taught to students of age group between 12 to 17 include Python, C/C++, Arduino Robotics, LEGO and Basic Electronics and Electrical.
- Evaluated students to uncover learning deficiencies and devise improvement plans.

Key Accomplishment:

- 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 his 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.**

- My job here Included teaching the theory and practical of Electric Circuits and Electric Machines, Microprocessor System, Analog & Digital Electronics, Nuclear Energy, Electrical Fundamentals and Electrical Installation.
- Created tests and assignments to assess student knowledge of presented 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 and Alumni Head for my department

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**

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

**Ottawa, Canada**

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.

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

**Waterloo, Canada**

The course covered some of the core concepts of Python programming starting from the basic syntaxes all the way till file handling and creating animations.

**Master, Microelectronics Engineering  
Birla Institute of Technology and Science**

**Dubai, U.A.E.**

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.

**Bachelor, Electronics and Communication Engineering  
Chandigarh Engineering College**

**Punjab, India**

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++