DIPTI RAZDAN

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https://github.com/Dipti2021 | https://www.linkedin.com/in/DiptiR | https://dipti2021.github.io/Portfolio_D/

SUMMARY

A full stack developer with an avid interest in designing, implementing, testing and maintaining user-friendly web applications

TECHNICAL SKILLS

Languages: JavaScript, CSS3, HTML5, C++, Python
Applications: GitHub
Integrated Development Environment and Framework: Visual Studio Code, Repl.it, Arduino

PROJECTS

Explorer | Link to GitHub | Link to Deployed Project

- Summary: A MERN stack single-page application, which has been created to help the user in finalizing a holiday destination
- Role: Front end developer, Complete JWT Authentication (front end and back end)
- Tools: ReactJS, Semantic-UI React, JavaScript, API's

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 find Ten most popular and affordable day care center around his place of residence in Canada
- Role: Full Stack developer and designer
- Tools: Handlebars, CSS3, JavaScript, Bulma, API's, Font Awesome, Sequelize, My SQL, Express, bcrypt

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   **2020 – Present**
Freelance   **Ontario, Canada**

- Taught Python, C/C++, Arduino Robotics, LEGO and Basic Electronics and Electrical to students of age group of 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   **2015 – 2019**
Maternity
- Had a wonderful opportunity of giving birth and taking care of my son

Applied Technology Teacher – Electrical   **2011 – 2014**
 Institute of Applied Technology   **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
- Encouraged 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 was always more than 95%

Lecturer – Electronics and Communication Engineering   **2006 – 2010**
Chandigarh Engineering College   **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:
- Presented with the Best Teacher Award consecutively for two years
- Although being from an electronics background, I was sill the preferred lecturer for teaching Computer Engineering, Electrical Engineering and Management related subjects

EDUCATION

Carleton University, Ottawa, Ontario   **2021**
Certificate, Full Stack Web Development

- Summary: A 24-week intensive program that focused on gaining technical programming skills for Web Development
- Skills Learnt: HTML5, CSS3, JavaScript, jQuery, Bootstrap, PWA, Node Js, MySQL, MongoDB, Express, Handelbars.js, States, npm and ReactJS

University of Waterloo, Ontario   **2020**
Professional Development Course, Python3

- Summary: A 6-week certificate program focused on creating basic programming structures
- Skills Learnt: Decisions, Loops, Functions, Object-oriented programming, Tkinter, Lists and Tuples, Dictionaries, Data files and Exceptions

Birla Institute of Technology and Science Dubai, U.A.E.   **2013 – 2015**
Masters in Microelectronics Engineering

- Summary: A four-semester graduate program that focused on covering the broad areas of Microelectronics and integrated circuit technology
- Skills Learnt: Modeling of Microelectronic Devices, IC Fabrication Technology, VLSI Architecture and Design, CAD tools for Analog and Digital IC Design and MEMS technology.

Chandigarh Engineering College, Punjab, India   **2002 – 2006**
Bachelors in Electronics and Communication Engineering

- Summary: An eight-semester undergraduate program focused on covering the concepts and designs of hardware systems which are used in areas such as telecommunication and electronic sectors
- Skills Learnt: Advanced Communication Design, PCB Design & 3D Modeling, Analog VLSI Circuit Design, Digital System Design, Advanced Microcontrollers and Object-Oriented Programming in C++