

Piyush Lakhani

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Education

Master of Engineering – Computer and Electrical | 3.33/4.3 **Jan 2019 - Dec 2020(Expected)**

Concordia University, Montreal

- Major Courses: Software and Model-driven Software Engineering, Computer Architecture and Design

Bachelor of Engineering - Electronics

July 2013 – Jun 2017

Gujarat Technological University, India

Professional Experience

Web Design & Development Instructor (part-time)

Jan 2020 - Present

CDI College, Montreal

- Teaching Web Design and Development to undergraduate student and guiding them in developing their projects.
- Imparting knowledge of Programming fundamentals and Professional Skills.

System Programmer

July 2017 – Sept 2018

The Techno Valley, India

- Worked with Django for rapid development of websites, emphasis on Design, Scalability and Securities.
- Developed Pythonic Code as a part of a team responsible for developing Large-scale product.
- Worked with global clients developing qualitative, scalable code for IOT (Internet of Things) applications.
- Developed web apps using HTML, CSS and JS for IOT application.

Voluntary Experience

Program Coordinator (remotely since Jan 2019)

Jan 2014 – Present

Bachhpan NGO (Non-Governmental Organization), India

- It is NGO working efficiently to uplift education level of underprivileged children living in slum areas in rural part of India.
- It provides social and financial supports to children for their educations and to abolish child labor.

Workshop Instructor

Jan 2020 – Feb 2020

Technology Sandbox, Concordia University

- Conducted workshops at Technology Sandbox which is the community technology space to share the skills and knowledges to learn by creating, doing and demonstrating it.

Volunteer Teacher

Jan 2018 – Jun 2018

National Skill development Corporation, India

- The team member of non-profit-organization responsible for enhancing skills development programs in rural areas.
- Used to give lessons of Digital Literacy and basic English skills.

Projects

KEEP-clone app - Django, SQLite, HTML, CSS, Bootstrap4

Apr-2020

- The Clone app of KEEP- note sharing service of google, can create accounts and perform CRUD operations.

Blog website - Django, Rest Framework, SQLite, HTML, CSS, Bootstrap4

Nov-2019

- Developed full-fledged Blogger website having features of CRUD operation for Blog Post and Profile.
- Website uses Django Rest Framework to publish REST API to be used for external application.

Get PyTweets - Python, PyQt, Pandas, NumPy

Aug-2019

- Python Based GUI application, which displays 5 latest tweets with current time for the names given by user.
- Tweeter REST API is used to get tweets from specific tweeter user.

PyPaint - Python, Pillow, Tkinter

July-2019

- Developed Paint program capable of editing photos with Color effects, Brightness, Contrast, Saturation and so on.
- It can create new photo for hand-drawing with abilities to resize, save, save as photos supporting various formats.

Other Projects:

- Built Web Scrapping Application which sends email notification when any emergency or alert messages appear on University Website
- Implemented Notepad software in python which can perform all basic text editing functions like open, save and create files

Published Work

- "Sage Parking System Using IoT" International Research Journal of Engineering and Technology (IRJET) Volume 5 Issue 5 2018, e-ISSN: 2395-0056 p-ISSN: 2395-0072 **May 2018**
- "IOT (Internet of Things) based medication Storage System" International Journal of Advance Research And Innovative Ideas In Education Volume 4 Issue 2 2018 Page 4141-4147 e-ISSN: 2395-4396 **Apr 2018**

Technical Skills

- **Programming Languages:** Python, JavaScript, C, embedded C, Java(basic)
- **Web Technologies:** HTML5, CSS, Bootstrap4, REST_API
- **Framework:** Django, Django_Rest_Framework, ReactJS(novice)
- **Development Tools/Technologies:** PyCharm, Jupyter notebook, Visual Studio, Sublime Text, Qt, Python IDLE, Arduino IDE, Git, MySQL, PostgreSQL, SQLite
- **Hardware:** Raspberry Pi, Arduino, Microcontroller, Pi Camera, NodeMcu (ESP8266)
- **Documentation:** Software Requirement Specification

Honors & Certification

- 1st Prize winner at Inter-college competition for the project of "IOT based Medication Storage System"
- Udemy course Certification for 'Python Advanced & Core', 'Sql and Database'.
- Pluralsight Course Certifications for 'JavaScript Fundamentals'