Ikshita Yadav

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EDUCATION

3B,Bachelors of Computer Science And Minor in Economics   09/2019 – 04/2024
University of Waterloo   Waterloo, Canada
Relevant Courses: Algorithms, Operating Systems, Introduction to Data Base Management System, User Interfaces, Data Structures & Data Management, Foundation of Sequential Programs, Object-Oriented Software Development, Logic & Computation, Computer Organisation & Design, Elementary Algorithm Designs and Data Abstraction, Designing Functional Programs, Statistics and Combinatorics

SKILLS

Languages and Databases *(Python, C++, C, R, HTML, CSS, JavaScript, jQuery Racket, MySQL, DB2, Kotlin, JavaFX)*

Frameworks *(Node.js, Bootstrap, Angular, React.js)* | **Version Control and other Tools** *(Windows, Linux, Shell, Ubuntu, VsCode, Intellij, Git, Github)*

PROFESSIONAL EXPERIENCE

Development Operations Specialist   05/2021 – 08/2021
Pillar To Post Head Office   Toronto, Canada
- Initially worked in the capacity of **Quality Assurance and IT Support** and soon got **promoted** to the role of **Development Operations Specialist**
- Primarily responsible for **algorithmic development, testing and documenting bugs** among other things
- Developed an algorithm from scratch to **automate the smoke and regression test suites,** using python and selenium to **reduce manual workflow** in the company
- Automated the process of logging in and booking inspections with all the relevant details saving the company **4-14hrs** per day using Selenium and Python.
- **Tested the web and the app interface** for bugs after every new push/update, found several bugs and thoroughly documented them explaining why they are reproducible for the Dev team to fix
- Attended several **code reviews and meetings** and **created User Stories** for the Dev team after interacting with the other departments and several users

Data Analyst & Cyber Security Intern   07/2019 – 08/2019
Innefu   Delhi, India
- Attended the summer internship for introduction to **Cybersecurity**
- Primarily responsible for **customizing the product** according to the customers needs by **making changes in the code base** and **analyzing the data and result precision** when run through Phrophecy (an upcoming AI & ML based product) and find ways to **improve it's performance**

Junior Software Developer Intern   05/2019 – 06/2019
Indian Institute of Technology Delhi   Delhi, India
- Attended the summer internship for **Introduction to Computer Application and Software Development**
- Primarily responsible for developing a **Library Database Management System** in C++ using MySQL connectivity for the **Samsung Research Lab**
- Presented the final project at **IIT Delhi Techfest**

PROJECTS

Eform
- Website that's manages the electronic signing of the required forms.
- Used DocuSign eSignautre API(embedded signing process), Flask, Jinja2 templates, HTML, CSS, Bootstrap, shell and Python.

Sentiment Analyzer
- An AI model that predicts the sentiments of the reviews fed to it in a database
- Used google colab, nltk, sklearn and pandas library.I was responsible for cleaning the data and feeding it to the AI model and come up with algorithms to reach peak (75% in our case) efficiency.

COVIED
- Worked in a **team of 3** to build a website that informs/educates the users about COVID-19 using **HTML, CSS, Bootstrap and JavaScript**
- Used APIs to **update real-time data** to the website regarding the number of cases in different countries

Straights
- A dynamic multiplayer cards game
- Uses concepts of **Object Orientational Programming, Design Patterns, UML, inheritance, polymorphism, observers, decorators, data encapsulation, abstraction, binary files, etc.**

Clock in System
- Developed an **extension to the clock-in system** that analyzes the data of the late comers and presents it **visually on the dashboard**
- Used **Kotlin and JavaFx** for presenting the data on the dashboard and **Python** for manipulating the data and getting the information as needed

CERTIFICATES AND AWARDS

The Complete Web Development Bootcamp (Udemy)

'The Girl Who Code'
Harvard Women in Computer Science at Harvard University

Deans Honor List X 2

Code in less (synergy 2.0)
Secured 2nd position in 'Codein less' at Delhi Technological University

Google IT Support Professional Certificate (pursuing)

Splash - Mathematics,Computer Science and ArtificialIntelligence
Massachusetts Institute of Technology, Boston

Excellent standing x 5

Scholarship at UW
$17,000

Modern Web Scraping with Python (Udemy)(pursuing)

'Girls Only Leadership Development Program
GOLD' YWCA Cambridge and the Office of Cambridge City Councilor

Technoxian
Designed battle and obstaclecourserobots and participated in Technoxian-2018.