Ikshita Yadav

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EDUCATION

4A,Bachelors of Computer Science And Minor in Economics   09/2019 – 04/2024 | Waterloo, Canada
University of Waterloo
Relevant Courses: Algorithms, OS, Introduction to DBMS, UI, DS&A, Object-Oriented Software Development, Statistics and Combinatorics

SKILLS

Languages
Python, C++, C, C#, R, HTML, CSS, JavaScript, jQuery Racket, MySQL, DB2, MongoDB, Kotlin, Java, Bash, Angular

Frameworks & Tools
Node.js, Bootstrap, ASP.NET Core, React.js, Linux, Git, AWS, Windows

PROFESSIONAL EXPERIENCE

Software Development and Testing   01/2022 – Present | Waterloo, Canada
ANSYS Inc
- Working with the Core Dev team to fix bugs in new and old products
- Creating and updating apps according to the App submission requests by the client
- Documenting the onboarding process to make it easier for the next batch of co-ops to be integrated into the team

DevOPs Specialist   05/2021 – 08/2021 | Toronto, Canada
Pillar To Post Head Office
- Got **promoted** from QA & IT Support to DevOps Specialist by showing initiative through developing **algorithms to automate** the smoke and regression test suites and the process of logging in and booking inspections saving co-workers **28 to 98 hrs per week** using **Selenium and Python**, hence reducing manual workflow
- Primarily responsible for algorithmic development, testing, documentation, attending several code reviews and meetings, and creating User Stories for the Dev team after interacting with the other departments and several users
- 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

Data Analyst & Cyber Security Intern   07/2019 – 08/2019 | Delhi, India
Innefu
- Attended the summer internship for introduction to **Cybersecurity**
- Primarily responsible for customizing the product according to the customer's needs by making changes in the codebase
- **Analyzed the data and its result precision** when run through **Prophecy** (an upcoming AI & ML based product) and found ways to **improve its performance by 15%**

Junior Software Developer Intern   05/2019 – 06/2019 | Delhi, India
Samsung Research Lab, Indian Institute of Technology Delhi
- Attended the summer internship for **Introduction to Computer Application and Software Development**
- Developed a **Library DB Management System** in **C++ using MySQL** connectivity for the **Samsung Research Lab and** assisted PHD students in their cutting edge research by **finding algorithms** that could be applied to their research
- Presented my final project, the '**Clock in System**' at **IIT Delhi Techfest;** which in addition to the basic features of a clock in system also analyses the data of the late comers and presents it on a dashboard using **Kotlin, JavaFx** and **Python**

PROJECTS

Crypt-to-rise
- Creating an algorithm to detect pumps and dumps in the stocks which are synthetic spikes and inform the user that it is happening
- Helping in the identification of data parameters which will be used to write an algorithm to detect the pumps and dumps
- Developing individual features such as displaying the live data of the stocks of several cryptocurrencies for the users to see and compare, making an interactive webpage that educates the users about the history and the previous pumps and dumps if any of a particular coin, etc.

Sentiment Analyzer
- An AI model that predicts the sentiments of the reviews fed to it in a database using Neural Networks
- Used **google colab, nltk, sklearn** and **pandas library**. Cleaned the data and fed it to the AI model and come up with algorithms to reach peak (75%) efficiency.

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.**

CERTIFICATES AND AWARDS

The Complete Web Development Bootcamp (Udemy)

Google IT Support Professional Certificate (pursuing)

Modern Web Scraping with Python (Udemy)(pursuing)

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

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

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

Deans Honor List X 2

Excellent standing x 5

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

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

Scholarship at UW
$17,000