Ikshita Yadav

✉ iyadav@uwaterloo.ca 📞 +1 (647)-860-7018 ⌗ github.com/Ikshita-Yadav in linkedin.com/in/ikshitayadav/

🎓 EDUCATION

B.CS in Honors Computer Science Co-op, Junior Year September 2019 – April 2024 | Waterloo, Canada
Minor in Economics & Specialization in Software Engineering
University of Waterloo
Five-time recipient of Dean's Honours and Term Distinction

🧠 SKILLS

Languages:
Python, C++, HTML, CSS, JavaScript, jQuery, MySQL, Kotlin, Java

Frameworks & Tools:
Node.js, Docker, ASP.NET Core, React.js, Linux, Git, AWS, Django

💼 PROFESSIONAL EXPERIENCE

Full Stack Engineer May 2022 – August 2022
Get ResQ Ltd.
- Created & deployed the backend for the Suspend Product Access feature using **Django, Docker & Javascript**, which gives the Customer Service team the ability to suspend/activate a client from the database & follows up automatically by sending a corresponding email to the client, removing the need for the CS Team to contact the Dev Team for the same, saving about **4-5 hrs** of manual work weekly
- Built the mobile frontend & the automated slack message & notification for the ResQ Express Service using **Docker, Javascript and React**, which is a successful experimental feature which updates the work order creation flow to prompt the user to accept the ResQ Service Agreement thereby gauging how many customers are willing to pay how much more for a guaranteed service within a given time frame; the **success rate was 33%** with the initial constants of $200 & 2hrs
- Updated and added new functionalities to existing features by making changes in the fullstack code base leveraging design patterns such as mutations, interactions and event handlers and making algorithmic changes

Software Development and Testing January 2022 – April 2022
ANSYS Inc
- Maintained and improved the different user portals by pushing out new features and patches as needed to increase and better customer interaction via **Python and Javascript**
- Headed the Cloud Direct Improvements for the admin and user portal by designing the UI/UX, delegating tasks to team members, implementing the code, and testing it for bugs before it was pushed to production
- Maintained client relationships by heading meetings and code reviews to create and update apps according to the App submission requests made by the clients

DevOPs Specialist May 2021 – August 2021
Pillar To Post Head Office
- Got promoted from QA & IT Support to DevOps Specialist by showing initiative by 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**, reducing manual workflow
- 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

Junior Software Developer Intern May 2019 – June 2019
Samsung Research Lab, Indian Institute of Technology Delhi
- 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 **detecting 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-high
- Creating an algorithm to detect pumps and dumps in the stocks which are synthetic spikes and notify the user that it is happening
- Helping in the identification of data parameters used to write the algorithm
- 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.

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)

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

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

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

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

Scholarship at UW
$17,000