Vaibhav Tyagi

Dallas, Texas | **vaibhavtyagi0808@gmail.com** | **+1 425-246-2234**
iamvaibhavtyagi.com| **linkedin.com/in/iamvaibhavtyagi**

EDUCATION

Master of Science in Computer Science   **August 2021-May 2023**
University of Texas at Dallas   **GPA: 3.5**
Coursework: *Analysis of algorithms, Machine learning, Web programming languages, Natural Language Processing, Human Computer Interaction, Data Structures and Algorithms*

Bachelor of Engineering in Computer Science   **May 2015-May 2019**
University of Pune, India   **GPA: 3.9**

SKILLS

Programming Languages: C++, C#, Python, Java, SQL, HTML, CSS, PHP, Bootstrap
Operating System: Mac OS, Windows, Linux (Ubuntu)
Libraries and Tools: .NET, Git, Pandas, NumPy, Matplotlib, Scikit-Learn, OpenCV
Certificates: 'Python Course' from Udemy, 'Programming with C++' from IIT Kharagpur NPTEL

WORK EXPERIENCE

Software Engineer Intern, SeekOut, Bellevue   **May 2022 – Aug 2022**
- Executed the data pipeline of the security clearance feature of SeekOut' s Website to refresh the security-clearance-tag map using data of last 1.5 years and approximately 6 million job listings
- Developed a project to validate the schema of security clearance input and output files for each step of the data pipeline and report the user for missing key and invalid data field using C# and .NET framework
- Contributed to confluence by documenting the current infrastructure of the data pipeline and schema validation code for future reference and better understanding of the employees
- Reviewed the current architecture of the security clearance feature and suggested better approaches to the algorithm to improve the speed and accuracy

Software Engineer, Yardi Systems Inc, Pune   **August 2019 – April 2021**
- Maintained Yardi's real estate management database of nearly 20,000 customers by developing complex SQL scripts to fix anomalies and achieve high quality consistent database
- Designed SQL scripts to build reports relating to conversion rate insights; collaborating with 20-25 clients' account managers
- Coordinated with 2 Team Leaders and 3 Software Engineers to conduct beta-testing of client's website user interface; analyzed user's feedback and reported bugs, optimizing functioning by 80%

PROJECTS

Live Stock Price & Analysis Bot: **Github**
- Developed a bot to give live price of a National Stock Exchange (NSE) stock upon messaging the stock symbol
- Created a technical analysis module giving market performance of a stock using data of last 6 months
- **Technologies used:** Python 3, NSEpy, NumPy and Matplotlib

ATM (Automated Teller Machine) Surveillance: **Github**
- Coordinated with a team of 2 developers to implement a system to monitor movements in restricted areas using CCTV camera
- Formed an anti-theft module triggering an alarm and notifying security personnel through message in an attempt of theft and false access
- Created a function to ensure transaction of money happened only when user's face was completely visible
- **Technologies used:** Java, OpenCV, and SQL

Crime Reporting System: **Github**
- Led a team of 3 to design an application to keep crime reports safe, secure and yield significant insights from data
- Coded an entry page to Login/Sign Up, thereby preventing unauthorized access
- **Technologies used:** Python 3, MySQL, Pandas, and Matplotlib

Examination Result Website: **Github**
- Implemented a web-based application to streamline the process of sharing examination results with students by allowing faculties to upload the results after signing in with valid credentials
- **Technologies used:** HTML5, CSS3, PHP, and MySQL