

Vaibhav Tyagi

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EDUCATION

Master of Science in Computer Science

Aug 2021-2023

University of Texas at Dallas

Coursework: Analysis of algorithms, Machine learning, Web programming languages

Bachelor of Engineering in Computer Science, CGPA: 8.83/10

May 2015-2019

University of Pune, India

SKILLS

Programming Languages: C++, Java, Python, SQL, HTML, CSS, PHP

Operating System: Mac OS, Windows, Linux (Ubuntu)

Libraries and Tools: Visual Studio Code, Git, Pandas, Matplotlib, Scikit-Learn, OpenCV

Certificates: 'Python Course' from Udemy, 'Programming with C++' from IIT Kharagpur NPTEL

WORK EXPERIENCE

Software Engineer, Yardi Systems Inc, Pune

Aug 2019 – Apr 2021

- Maintained Yardi's real estate management database by developing complex SQL scripts to fix anomalies and achieve high quality consistent database
- Built custom reports for 20-25 clients using SQL to provide conversion rate insights
- Successfully resolved production issues of client's website by testing/debugging the Html/CSS code resulting into an improved user experience

PROJECTS

Live Stock Price & Analysis Bot:

June 2021

- Developed a Bot to give Live price of a National Stock Exchange (NSE) stock upon messaging the Stock Symbol
- Created a technical analysis module which provided the market performance of a stock using the data of last 6 months
- **Technologies used:** Python, NSEpy, Numpy and Matplotlib

ATM (Automated Teller Machine) Surveillance:

Jan 2019 – May 2019

- Implemented a system to monitor movements in restricted areas with the help of CCTV camera
- Formed an anti-theft module that triggered the alarm and notified security personnel through message in an attempt of theft and false access
- Created a function to ensure the transaction of money happened only when the user's face was completely visible
- **Technologies used:** Java, OpenCV, and SQL

Crime Reporting System:

Mar 2018 – Apr 2018

- Designed an application to keep crime reports safe, secure and provide meaningful insights from the data using data analysis
- Created an entry page to Login/SignUp, thereby preventing unauthorized access
- **Technologies used:** Python, MySQL, Pandas, Matplotlib and Scikit-Learn

Examination Result Website:

Jan 2018

- Built a website 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:** HTML, CSS, PHP, and MySQL

EXTRA-CURRICULAR ACTIVITIES

- Lead a team of 5 to organize a coding competition
- Served community with food drives and stationary giveaway as a member of Rotaract Club of Aundh
- Represented College in various sports such as Badminton, Cricket, and Football