VAISHNAV BHARADWAJ

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EDUCATIONAL QUALIFICATION

MSc Data Science, University of Surrey, Guildford, UK   *expected completion: June 2023*
Department of Computer Science.

Bachelor of Engineering in **Information Science**, Don Bosco Institute of Technology, Bangalore, affiliated to Visvesvaraya Technological University, CGPA: 7.8,   *June 2017 – July 2021*

PROFESSIONAL EXPERIENCES

Data Engineer, DataWave Pvt. Ltd.   *April – September 2021*
Built a custom script for automating data validation for two major clients, which increased the validation efficiency, and decreased the time required to manually check data manually by 3-man hour.
Responsibility involved:

- Daily scrapping website to gain product information.
- Providing the data requested by the customer on time.
- Writing custom plugins to overcome Login/Captcha on the website.

Achievements:

- Written a custom automation script for two major clients to validate the data after scrapping.
- Have monitored the crawls of all 12 Amazon websites once the crawls are started.

Full Stack Web Developer, LearnnFreakOut Digital Solutions Pvt. Ltd.   *July - Aug 2020*
Responsibility involved:

- Creating an LMS website
- Coding server-side as well as client-side using languages like Node Js, express, React Js
- Now it is in the last stage of development and nearly ready for the production stage

Auditor, Swiggy India   *Jan - Feb 2019*
Responsibility involved:

- Interviewing more than 150 people personally
- Inspecting their work at the food delivery company

INTERNSHIPS

Intern, Verzeo Edutech Pvt. Ltd Bangalore   *April - June 2019*
Learning involved:

- Python programming, Machine learning algorithm
- Creating a chat-bot with auto text suggestion. Contributing to the team to make a chat-bot
- Understanding and analysis of the concepts of machine learning

Data Scientist Intern, Sparks Foundation, Bangalore   *Sept - Oct 2020*
Learning involved:

- Analysing the data, and visualizing in an effective way easier machine training
- Coordinating with other members and trying different algorithms for training the machine

ACADEMIC PROJECTS/ PERSONAL PROJECT

Title: RUVI - Real-Time object detection Utility for Visually Impaired

Duration: *September - November 2019*

Role & Team Size: Programmer, 4

Synopsis: This project has been presented in the nation level code Hackathon competition, A wearable device with a camera mounted on it was created. It uses various machine learning algorithms to process the image and output its name/detail in the earpiece. It aimed to help blind people and guide them in propagating in any instance in life. This project won the national level code Hackathon, which was organized by PDA College of Engineering, Kalburgi, India

Technology Used: TensorFlow, Raspberry pi, python, Pi camera

Title: Glass Door Estimate

Duration: *March 2021*

Role & Team Size: Programmer, 1

Synopsis: Created a tool that estimates data science salaries (MAE ~ $11k) to help data scientists negotiate their income when they got a job, scraped over 1000 job descriptions from glass door using python and selenium Engineered features from the text of each job description to quantify the value companies put on python, excel, AWS and spark. Optimized Linear, Lasso and Random Forest Regressor using GridSearchCV to reach the best model. Build a client facing API using flask.

Title: Industry Stock Management System
Duration: *2 months*
Role & Team Size: Full stack developer, 1

Synopsis: Created a full-stack application built for industry usage, where stocks can be managed every day. It has a feature like tracking packages with QR code generated upon an order placed.
Technology Used: Java, Java Swing component

TECHNICAL SKILLS
- **Programming:** Python, Java, JavaScript, C++, C, R language.
- **Library/Framework:** Flask, Beautiful Soup, Data preprocessing framework, Data visualization framework, Node Js, React Js, React Native, Java Sprint.
- **Database:** MongoDB, SQL
- **Markup language:** HTML, CSS
- **Tools:** MS Excel, Adobe Photoshop, Adobe Premier, CorelDRAW
- **Version control:** GitHub, BitBucket, Jira, Atlassian

WORKSHOPS ATTENDED
- Actively participated in two days IoT challenge workshop conducted at Don Bosco Institute of Technology, in the year 2018
- I took part in a Cyber security workshop conducted at Don Bosco Institute of Technology, and gained knowledge on various Cybersecurity terms and ethical hacking, in the year 2018

AWARDS / CERTIFICATION
- Awarded 1st place in Nation Level Code Hackathon, PDA College of Engineering, Kalburgi, India (oct 2019)
- Received internship certificate from Verzeo, powered by Microsoft Authorized Education

Partner, July 2019
- Received certification as Microsoft Technical Associate in Python Data Structure, from Microsoft, November 2019
- Obtained certificate in completing the basic steps into robotics, from GUVI, June 2020
- Secured certification in Python data structure from the University of Michigan, August 2020
- Obtained certification in 'Machine Learning in Python' form Verzeo, September 2019

EXTRACURRICULAR ACTIVITIES
- Published the newsletter for ISE (Information Science and Engineering) department in the year 2019
- Was Member of Developers Club at Don Bosco Institute of Technology, 2019
- Was Co-coordinator in college fest 'VISMAY' in the year 2019
- Secured Black Belt in Taekwondo Martial arts from St Paul's Taekwondo Coaching Center, 2011