VAIBHAV DUBEY

vdubey6@asu.edu | +16025176795 | https://www.linkedin.com/in/vaibhav-dubey-2a3295131 | https://github.com/Vaibhav-Dubey

EDUCATION

Arizona State University | MS Computer Engineering   **Aug 2023 – May 2025**

Coursework: Foundations of Algorithms, Probability and Random Processes, Digital Image and Video Processing and Compression

University of Mumbai, India | BE Electronics and Telecommunications   **June 2017 – June 2021**

Coursework: Image Processing and Machine Vision, OOP using Java, Neural Networks and Fuzzy Logic,   **GPA: 3.74/4**
Microprocessors and Peripheral Interfacing, Embedded Systems, Microcontrollers Interfacing, Discrete Time Signal Processing

WORK EXPERIENCE

Larsen & Toubro Infotech Mindtree |Senior Software Engineer | July 2021 – May 2023
– *Trained in Full Stack Development, Agile Methodologies, and DevOps Concepts.*
– *Implemented a backend web API service using Nodejs to integrate third party XML signature service with a react web app.*
– *Improved workflow by automating node template creation with python scripts.*
– *Led a Document feature integration team to incorporate "submit and sign application" to the react web app successfully.*
– *Developed unit test cases for web API asynchronous function using JEST framework.*

Botonomics Automation LLP |Trainee Backend Developer | May 2020 – March 2021
– *Implemented a Drupal Integration using Php that lets the user integrate a chatbot to their Drupal website.*
– *Worked as a part of Backend development team to develop login functionality using Google, LinkedIn and Facebook open API.*
– *Developed a Bot to communicate through a desktop app built in flask with a telegram bot using the Telegram Open API.*
– *Collaborated with Flutter Development team to integrate GCP functions on the mobile app.*

TECHNICAL SKILLS

Languages & Framework: *Python, JavaScript, ReactJS, Express, NodeJS, SQL, Django, JEST, Flutter, Flask, C++*

Tools: *Git, Microsoft Azure, SQL Workbench, Eclipse, PyCharm, Microsoft Office Suite, Visual Studio, Visual Studio Code, MATLAB, GNU Octave Slack, Jira, Confluence, POSTMAN*

Web Design: *HTML5, CSS3, Bootstrap, REST API, XML, JSON*

PROJECTS

- **_Bot Detection using Personality and Sentiment Extraction from Text_**: NLP , BeautifulSoup, Flask
A regressive analysis of social media textual content in order to detect bots and sentiments from them.
  - *The personality extraction was done on the basis of the MBTI personality technique.*
  - *Developed three different web scrapers to extract data from multi-platform websites using beautiful soup package.*
  - *Trained several models using logistic regression and then SVM binary algorithm using the data sets to reach a conclusion about the hypothesis.*
  - *Developed a web app using flask to showcase our findings.*
- **_Drowsy Driver Detection System_:** Python, Image Processing
Developed a Python program to detect the eyes of the driver- The program detects the eye movement of the driver and alerts them
  by an alarm sound if the eyes are shut for more than 5 seconds.
  - *Utilized Python's cv2 library for face and eye detection*
  - *Leveraged Python's GUI library Tkinter for UI and Pygame for alarm sounds*
- **_Covid Alert Bot_:** Python, smtplib,requests
A python script that utilizes the open API to find vaccination slots for covid in the area recognized by pin code. The script utilized
  the json sent back as response and notifies the user if more than 50 slots are available.
  - *Leveraged python's SSL,smtplib packages to send emails.*
- **_CryptoVerse:_** React, Redux
Created a MERN stack single-page web application to get the latest cryptocurrency news
  - *A pre-developed API is used to get news about different cryptocurrencies*
  - *React Component for each cryptocurrency was used to render it on the frontEnd*

CERTIFICATIONS

AWS Partner: Accreditation (Technical) | AWS, FEB 2023
LTI FULL STACK DEVELOPER |Certified and Trained Full Stack Developer in L & T Infotech
PYTHON (BASICS) |HackerRank, JUNE 2020
WHAT IS DATA SCIENCE | IBM on Coursera, FEBRUARY 2020