

# VAIBHAV DUBEY

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## EDUCATION

### M.S, Computer Engineering

Aug 2023 - May 2025

Arizona State University, Tempe, AZ

Ira A Fulton College of Engineering

### B.E, Electronics & Telecommunications Engineering

June 2017 - June 2021

University of Mumbai, Mumbai, India

3.74 GPA

Father Conciecao Rodrigues Institute of Technology

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, C/C++, Java

**Tools and Frameworks:** HTML5, CSS3, Bootstrap, ReactJS, Express, NodeJS, Django, JEST, Flutter, Flask

**Tools:** Git, Microsoft Azure, Eclipse, Microsoft Office, MATLAB, GNU Octave, Jira, Confluence, Postman

## EXPERIENCE

### Larsen & Toubro Infotech Mindtree, Mumbai, India: Senior Software Engineer

July 2021 – May 2023

- Created a backend web API service using Nodejs to integrate third-party XML signature service with a react 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.
- Implemented unit test cases for web API asynchronous function using JEST framework

### Botonomics Automation LLP, Mumbai, India: Trainee Backend Developer

May 2020 – March 2021

- Implemented a Drupal Integration using Php that lets users integrate a chatbot into their website.
- Worked as a part of the Backend development team to develop login functionality using Google, LinkedIn and Facebook open APIs.
- Implemented a Bot to communicate through a flask app with a telegram bot using the Telegram Open APIs.
- Collaborated with Flutter Development team to integrate GCP functions on the mobile app.

## ACADEMIC PROJECTS

### Bot Detection using Personality and Sentiment Extraction from Text

June 2020 – May 2021

Collaborated in a team to do a regressive analysis of social media textual content in order to detect bots and sentiments from them (NLP, BeautifulSoup, Flask).

- 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.
- Developed a web app using flask to showcase our findings.

### Covid Alert Bot

May 2021 - June 2021

A python script that utilizes the open API to find vaccination slots for covid in the area recognized by pin code. (Python, smtplib,requests)

- Leveraged python's SSL,smtplib packages to send emails.

### Drowsy Driver Detection System

Dec 2019 - Jan 2020

Led team of four to Implement a Python program to detect the eyes of the driver- The program detects the eye movement of the driver and alerts them. (Python, Image Processing,cv2)

- Utilized Python's cv2 library for face and eye detection

## OTHER WORK EXPERIENCE

### Arizona State University, Tempe, AZ: Instructional Aide (20 hours/week)

Sept 2023 – Present

- Undergrad Instructional Assistant for GIT:215 Intro to Web authoring Help students with queries in HTML and CSS concepts, Assist professor with grading and evaluations