VIVEK ARORA

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Education

BITS Pilani   **August 2018 – June 2022**
Bachelor of Engineering(Honors) in Computer Science   *Goa, India*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Computer Networks
- Operating Systems
- Computer Architecture
- Compilers

Experience

Resolvity, Inc   **Jan 2022 – Present**
Software Development Engineer Intern   *Austin, TX*
- Wrote Python Scripts to Segment, Categorize and Tokenize Data for End to End Named-Entity Recognition Platform.
- Implemented Support for Multiple Languages by working on Audio Transcoding and Transcription Data processing on Automatic Speech Recognition Platform.

AlmaConnect   **May 2020 – August 2020**
Product Intern   *New Delhi, India*
- Set up a personalized user invite system which increased sign-ups by 30 percent.
- Migrated stored SQL procedures to the SSRS system to allow for server improvements.
- Lead the design and development of the "Job Status" feature on the portal enabling users to get updates about their applications.

Abhigyaan (Non Profit)   **January 2019 – August 2019**
Web Developer   *Goa, India*
- Assisted in development of the front end of a website using React framework.
- Worked with Google Firebase to manage user inputted data.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Covid 19 Vaccine Scheduler Bot | *Python, Selenium, Google Cloud Console*
- Developed an automatic bot using Python and Google Cloud Console to register for a Vaccine.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.
- Created a Linux virtual machine to run on Google Cloud so that the program is able to run from the cloud.

Intruder Alert System | *Python,C++,OpenCV*
- Created an desktop application that monitors real-time video feed from a connected camera.
- Video feed is subjected to Morphological Transformations (eroded) and contours are drawn of the body where movement is detected.
- If movement crosses set threshold, an alarm is rung and owner is alerted of breach via phone and a text message using Twilio API.

Netflix Clone App | *React, GraphQL*
- Created a replica Web application of Netflix using React and GraphQL.
- Processed user inputted information in the back-end of the app to return movie title of choice.
- Also supports features such as infinite scroll and paging.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, MySQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform
Technologies/Frameworks: Linux/Unix, Distributed Systems, Machine Learning, GitHub, JUnit, NodeJS, React

Leadership

Computer Science Department   **Jan 2021 – May 2021**
Student Representative   *BITS Pilani*
- Managed executive board of 5 members and ran weekly meetings to oversee running of courses and student led tutorials.
- Led an external Lab component to supplement theoretical learning in Database Systems course.
- Received an Excellence certificate for MySQL tutorials as First Degree Teaching Assistant for Database Systems.