VIVEK ARORA

New York, NY

🌐 www.aroravivek.com   Nationality: United States

📞 512-590-4590   ✉ vivekarora2000@gmail.com   linkedin.com/in/vivekarora2000   github.com/vivekarora2000

Education

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

Experience

Palantir   **July 2022 – Present**
Software Engineer   *New York, NY*
- Designed & Implemented a Backend Auditing Service for Foundry Contour to identify malicious intent queries against critical data.
- Created a Document Querying tool using LLMs and Semantic Search to help Foundry Customers improve Document Workflows.
- Infra Ops on an OnPrem Foundry Deployment dealing with Storage Infra - Cassandra, ElasticSearch and Hadoop.

Voicegain   **Jan 2022 – June 2022**
Software Development Engineer Intern   *Austin, TX*
- Created Python transforms to streamline data segmentation, categorization, and tokenization processes for an end-to-end Named-Entity Recognition platform.
- Enhanced language compatibility by implementing audio transcoding and transcription data preprocessing for an Automatic Speech Recognition platform.

AlmaConnect   **May 2020 – August 2020**
Product Intern   *New Delhi, India*
- Implemented a customized user invitation system, boosting sign-ups by 30%.
- Developed the "Job Status" feature on the portal, empowering users to receive updates on their application progress.

Abhigyaan (Non Profit)   **January 2019 – August 2019**
Web Developer   *Goa, India*
- Contributed to the front-end development of the website, amplifying the reach of non-profit initiatives.

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 a 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 the owner is alerted of the 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
Technologies/Frameworks: Linux/Unix, Distributed Systems, Machine Learning, GitHub, JUnit, NodeJS, React, GCP

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.