

# VIVEK ARORA

New York, NY

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## Education

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### **BITS Pilani**

**August 2018 – June 2022**

*Bachelor of Engineering(Honors) in Computer Science*

*India*

## Experience

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### **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, Semantic Search and a Vector Store Database to help Foundry Customers improve Document Workflows.
- Infra Ops on an OnPrem Foundry Deployment dealing with Foundry Services and Storage Infra - C\*, ES and HDFS

### **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*

*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*

*India*

- Contributed to the front-end development of the website, amplifying the reach of non-profit initiatives.

## Projects

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### **Genie - Helpful Slack Bot | Python**

- Developed a Slack bot - Genie to listen for calls in Slack channels to assist users with questions about the
- Implemented using OS SDK and a Vector Store Database, it then uses an LLM to summarize the text to assist in a more human-friendly way.

### **Covid 19 Vaccine Scheduler Tool | Python, Selenium, Google Cloud Console**

- Developed a tool 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.

## Technical Skills

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**Languages:** Python, Java, C++, HTML/CSS, JavaScript

**Technologies/Frameworks:** LLM, Vector Stores, Linux, Distributed Systems, GCP

## Leadership

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### **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.