

# ABHINAV ALLAM

5427 Matthew Terrace, Fremont, CA (US CITIZEN)

📞 510-890-8272 ✉ [abhinavallam123@gmail.com](mailto:abhinavallam123@gmail.com) 🌐 <https://www.linkedin.com/in/abhinav>  <https://github.com/kineticdirt>

## SKILLS

---

**Programming Languages:** Python, Kotlin, Java, Javascript, Scala, C++, Typescript

**Operating Systems:** Linux, Android, Mac, Windows

**Developer Tools:** PyTorch, RVC models, Stable Diffusion models, Shell Scripting, VS Code, Google Cloud Platform, Android Studio, Postman, Agile

**Frameworks:** Gradle, Maven

**Databases:** SQLite3, Amazon Athena

**Data Analytics Tools:** SQL, Pandas Lib, Numpy, Spark

## EXPERIENCE

---

### Support Vectors: Intro to AI course

August 2024 – October 2024

AI/ML Student

Fremont, CA

- Completed course in Artificial Intelligence, focusing on neural networks, large language models, and generative AI.
- Developed skills in advanced architectures, including CNNs, RNNs, Transformers, GANs, and Diffusion Models.
- Gained hands-on experience optimizing AI models through back-propagation, regularization, and real-world coding projects.

### Cequence Security, Inc

June 2023 – September 2023

Data Science Intern

Sunnyvale, CA

- Operationalized Time-Delta model enhancing Cequence security's bot detection product capabilities.
- Incorporated Python and shell commands which aggregate XML test results into automated daily reports process.
- Enhanced bot detection by identifying 18% more 'low-and-slow' malicious bots
- Improved overall detection by 12% using Panda's and Cequence Security's Python data-science framework + Amazon Athena.

### Celona, Inc.

June 2022 – September 2022

App Development Intern

Cupertino, CA

- Developed Android app that streamlined Celona 5G Access Point installations, reducing setup time by 24%.
- App facilitates Access Point configuration and antenna tuning. Used Kotlin and Android Development Kit to interface with Celona's 5G Enterprise platform.
- Designed and implemented authentication, configuration, and central navigation pages, with included test cases
- Added data retrieval and configuration using each access points QR code + barcode.

### Cequence Security, Inc.

June 2021 – September 2021

Software Intern

Sunnyvale, CA

- Developed a framework for Cequence Security's Bot Defense platform to simplify data extraction configuration.
- Application generates all possible expressions for a given Swagger spec, providing a list of options for the user.
- This eliminated the need for users to write complex JSON pointer expressions.
- Created NodeJS server to process Swagger API specs and provide JSON pointer expressions for JSON and XML payloads.
- Developed a React UI for easy expression selection.

## PROJECTS

---

### Cequence Hackathon 2023 | Java, C/C++, LLM

August 2023

- Secured second place overall by integrating an AI-driven chatbot into Cequence Security's UAP, enhancing user experience and functionality.
- Improved the usability of Cequence Security's UAP platform with a conversational interface.
- Simplified user interaction using LLM's backend capabilities to configure settings in Cequence Security's UAP, eliminating manual menu navigation.

## EDUCATION

---

### University of California, Riverside

Sep. 2020 – June 2024

Bachelor of Science in Computer Science & Business Applications

Riverside, California