# SUHAAS KANNEGANTI

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## EDUCATION

**University of Virginia**                                                                                                  **Charlottesville, VA**
B.A. in Computer Science, Minor in Data Science | GPA: 3.71                                              *August 2021 – May 2025*

**Thomas Jefferson High School for Science and Technology**                                      **Alexandria, VA**
Advanced Studies Diploma | GPA: 4.41                                                                         *August 2017 - June 2021*

**Relevant Coursework**: Data Structures and Algorithms, Computer Systems, Software Development, Artificial Intelligence, Database Systems, Foundations of Machine Learning, Discrete Math and Theory, Data Science Systems, Intro to Cybersecurity.

## SKILLS

Languages: Java, Python, SQL, C++, C, R, JavaFX, Mockito       Web: Django, HTML, CSS, JavaScript, Node.js, Hibernate, GitHub Actions
Database: PostgreSQL, Azure MySQL, MongoDB                              App: Android Studio, Google API, Gradle, Salesforce, Swift/SwiftUI

## EXPERIENCE

**Fannie Mae**                                                                                                                       **Reston, VA**
*Incoming Software Engineering Intern*                                                                       *June 2024 – August 2024*

**East Point Energy and Equinor**                                                                                 **Charlottesville, VA**
*Systems Optimization Associate*                                                                                 *June 2023 - August 2023*
- Utilized **Salesforce** company data to drive maximum operational efficiency by leveraging self-made **Python** and **SQL** scripts.
- Developed Python scripts to extract and manipulate Salesforce data, employing SQL-like queries to perform advanced data analysis and reporting.
- Integrated Salesforce data with other systems using Python, automating repetitive tasks and enabling data-driven decision-making.

**University of Virginia Department of Computer Science**                                       **Charlottesville, VA**
*Lead Undergraduate Teaching Assistant*                                                                     *August 2022 - Present*
- Provided comprehensive support to over 150 students per semester for CS 3140 (Software Development Essentials) in debugging and testing Java code, leveraging advanced tools such as **JavaFX, Mockito, Hibernate, and Gradle** to bolster their software development proficiency.
- Crafted and delivered engaging lectures to audiences of up to 400 students, demystifying complex subjects like Object-Oriented Decomposition, UML Diagrams, and Software Design Principles, contributing to a noticeable improvement in student comprehension as indicated by course feedback.

## RELEVANT PROJECTS

- **TrustTrace** *(May 2024)*: A **Django**-based web application enabling anonymous reporting of honor code violations. Implemented secure login functionality using Google account API to differentiate access among anonymous users, common users, site administrators, and Django administrators. Engineered a robust backend using **Python** and **PostgreSQL**, with continuous integration via **GitHub Actions**, ensuring optimal performance and reliability. Integrated **Amazon S3** for secure and scalable cloud storage of whistleblower submissions, supporting diverse file types including .txt, .pdf, and .jpg.
- **Actor Casting Analysis** *(May 2023)*: Designed and implemented a scalable database schema in **Azure MySQL** to manage dimensional data about actors and film history. Utilized **MongoDB** for efficient handling and querying of unstructured film data; developed a data lake using Azure Databricks File System (DBFS) for integrated data storage and analysis. Automated ETL processes from various sources including CSV and JSON files into a structured data warehouse and created complex SQL queries and Python scripts in Databricks notebooks for effective data analysis and decision-making.
- **BookIt!** *(Jan 2023)*:  Designed a book selection application utilizing **Android Studio**, presenting 100 recommendations for 40 unique users. Implemented techniques such as **web-scraping** and **Node.js** integration to empower users with personalized book recommendations based on individual interests. Launched seamless data retrieval and processing mechanisms, enabling users to make informed decisions on purchasing or selecting next reading material.

## LEADERSHIP

**Refurnished (@UVA)**                                                                                                 **Charlottesville, VA**
*Technology Director*                                                                                                      *December 2022 - Present*
- Promoted a student-led 501(c)(3) non-profit organization focused on redistribution of furnishings to local households.
- Explored innovative technological approaches to optimize and streamline Refurnished's operational processes.
- Revamped organization's website by implementing modern web technologies such as **HTML** and **CSS**, enhancing its user interface and leading to a 120% website viewership increase.