Aditya Parekh

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EDUCATION

Kean University **Union, NJ**

BSc Computer Science || GPA 3.85/4.0 *Graduation Date: May 2025*

SKILLS

Languages/Frameworks: Java, Python, C, C#, SQL, .NET, PHP, XML.

Development Tools: Azure, AWS QuickSight, MongoDB, SQL Server, MySQL, Git, GitHub, Jira, Confluence

WORK EXPERIENCE

Quest Diagnostics **Secaucus, NJ**

Data Science Intern *Jun 2024 - Present*

- Leveraged Azure OpenAI GPT model to analyze privacy incidents, reducing manual analysis time by 40% and increasing breach identification accuracy by 50%, while migrating data to MongoDB for enhanced scalability and leveraging Amazon QuickSight for automated dashboard generation.
- Worked on Retrieval-Augmented Generation (RAG) development incorporating vector database and vector searching, using Azure OpenAI and CosmosDB for data management.

Kean University **Union, NJ**

Student Researcher - Data Science *Feb 2024 - Present*

- Developed a Python-based route optimization tool using Google Maps API and live traffic data, employing computer vision and CNNs for real-time traffic analysis and optimal route selection.

Kean University **Union, NJ**

Teaching Assistant *Sep 2023 - Present*

- Instructed 100+ students on Data Structures and OOP in Java, boosting students' grades by 12%.

Fortune500 Investment Management Firm **Hoboken, NJ**

Software Engineering Intern *Dec 2021 - Feb 2022*

- Optimized Percentage-Of-Portfolio algorithm for Equity Portfolio Re-Balancing project, resulting in a 20% reduction in trade execution time, while working in a fast-paced agile environment.

PROJECT EXPERIENCE

KeanHacks **Union, NJ**

RecipeApp *Nov 2023 - Dec 2023*

- Developed and optimized efficient algorithms to enhance the performance of the Java-based REST API, resulting in a 40% decrease in response times for accessing the database of 5000+ random recipes.

AI4ALL **Union, NJ**

UserProfileAnalysis *Feb 2023 - May 2023*

- Implemented KMeans clustering with Principal Component Analysis (PCA) to segment users based on their preferences, leading to the identification of 5 distinct user groups.

Hack The Valley V **Toronto, ON**

PlantPedia *Feb 2022 - Feb 2022*

- Developed an innovative neural network algorithm to enhance plant recognition capabilities in a Python app, resulting in a 10% increase in accuracy to reach 95% overall accuracy rate.