Abdurrahman Khan

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EDUCATION

University Name, Specific College Flushing,New York
Bachelor of Science in Computer Science Dec. 2025
GPA: 3.7 | Honors/Awards: Provost Scholar
Relevant coursework: Object-Oriented Programming,Data Structures & Algorithms

SKILLS & CERTIFICATIONS

Languages:Java,C++,Python,HTML/CSS
Developer Tools:Microsoft Office,SmarTTy,Github,VS code

Certifications: CodePath CyberSecurity (January 2024 - May 2024)

RELEVANT EXPERIENCE

Headstarter- Software Engineering Fellow| City, ST Jul 2024– August 2024

- Creating a Pantry Tracker App utilizing React, NextJS, and Firebase to manage household inventories
- Developing a Customer Support AI with NextJS and OpenAI to provide automated responses to common queries
- Launching an AI Flashcard App with a subscription model to facilitate learning and retention
- Designing an AI Rate My Professor application using Pinecone and Embeddings to provide feedback and ratings

CUNY Tech Prep- Software Engineering Fellow| City, ST August 2024 – June 2024

- Selected for a competitive web development fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as React, Node + Express, and PostgreSQL.
- Participate in weekly courses and learn industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD

PROJECTS

8 Queens Algorithim | C++ GitHub | View Project

- Implemented a C++ algorithm to efficiently calculate all **92 solutions** to the 8 Queens Problem using backtracking.
- Successfully demonstrated problem-solving skills and implemented efficient algorithms while **developing 6 variants** of the 8 Queens Problem, including 2D, 1D with goto, 1D without goto, dummy 8 queens, n queens, and fancy queens.

Java Date Sorter | Java GitHub | View Projec

- Designed and implemented a Java GUI application to efficiently handle and sort a set of data. The project involved creating an intuitive user interface for data input and processing.
- Users could input data, which was then transformed into Java Date objects and sorted in ascending or descending order based on their temporal values

Stable Marriage| C++

- Implemented a stable marriage algorithm in C++to solve the classic problem of matching two sets of elements in a stable and optimal manner.
- Developed a robust algorithm to ensure that no pair of elements prefers each other over their assigned matches, preventing unstable pairs from forming

ADDITIONAL EXPERIENCE

Employer Name - Job Title | City, ST Month Year – Month Year
Employer Name - Job Title | City, ST Month Year – Month Year