ABDUL ANDHA

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EDUCATION

City College of New York   New York, NY
B.S. in Computer Science, **GPA: 3.9**   Expected May 2025
Relevant Courses: Data Structures, Algorithms, Software Design Lab, Website Design, Discrete Structures

SKILLS

Languages:	Python, JavaScript, Swift, Java, C++, SQL, TypeScript, HTML, CSS
Frameworks:	Pydantic, Nodejs, Django, React, Express, Pandas, Next.js
Tools:	Git, AWS, MongoDB, Heroku, DigitalOcean, Axios, Kubernetes, Docker, GCP, Back4App

EXPERIENCE

Freenome   New York, NY
Software Engineering Intern   June 2023 - August 2023
- Developed a Python library to interface with a FHIR standard database, abstracting CRUD operations and enforcing type safety to improve UX
- Refactored order control service cutting request times by **30%** and code length by **60%**
- Expanded test coverage for backend microservices through unit and integration tests with Pytest
- Collaborated with a team of **7** engineers through road mapping, story pointing, backlog refinement, 1-1 pairing, and Gitlab MRs

P.S. 160   Brooklyn, NY
Information Technology Specialist   April 2022 – June 2022
- Performed troubleshooting for over **20** school-wide software and hardware issues per week
- Reduced resolution time by **40%** and improved visibility by creating new protocols for reporting IT issues
- Systematized and facilitated inventory of over **1200** devices into a database

PROJECTS

GPTalk *Swift, Back4App, StreamChat*   May 2023
- Developed a real time text messaging iOS app using StreamChat and Back4App
- Integrated with GPT-4 using the OpenAI API so users can query GPT within conversations
- Led a team of 3 engineers, organizing weekly agile sprints and making design decisions

JP Morgan Hackathon *React, Express, Axios, AWS*   September 2022
- Developed a responsive React web app which generates personalized career paths for users based on their goals with a team of 9 engineers
- Implemented an Express backend using Axios and hosted the application on an AWS EC2 instance
- Improved scalability, engagement, and retention for the nonprofit, The JREAM Foundation

The Daily Scoop *Django, HTML, CSS, DigitalOcean*   January 2023
- Built a website using Django that allows users to create and read blogs
- Implemented secure user authentication with specific password requirements
- Launched the site using a DigitalOcean Ubuntu droplet and Nginx

Discord Bot *NodeJS, Heroku*   August 2022
- Developed a discord bot that can perform CRUD operations for **1000s** of concurrent users
- Established 24/7 hosting through a Heroku dyno

EXTRACURRICULARS

Google Software Engineering Program	October 2023	Meta Above and Beyond CS	November 2022
CTP Data Science Fellow	June 2023	S Jay Levy Fellowship	December 2022
CodePath iOS Development	May 2023	ACM	September 2021