Aliabbas Khalfan

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EDUCATION

Fordham University || NYC, NY
August 2024 – May 2027
B.S. Computer Science
       Relevant Coursework: Computer Science I, Computer Science II, Data Structures

Columbia University || NYC, NY
August 204 – May 2029
B.S. Financial Engineering

WORK EXPERIENCE

Headstarter AI: *Software Engineer Fellow*
July 2024 – Sept 2024
Python, OpenAI, RAG
- Developed and implemented AI models, enhancing various product features.
- Collaborated with cross-functional teams to design, develop, and deploy scalable software solutions.
- Conducted code reviews, optimized algorithms, and improved system performance and efficiency.
- Completed five AI projects and participated in Agile processes, including daily stand-ups, sprint planning, and retrospectives.
- Conducted mock coding interviews to enhance team skills.

Projects

Personal Website | **HTML, CSS, DNS** | aliabbaskhalfan.com
- Designed and developed a personal portfolio website to showcase projects and skills.
- Implemented responsive design principles to ensure optimal viewing across various devices.
- Configured DNS settings to link the domain name with the hosting service.

Pantry Tracker | ReactJS, NextJS, Firebase | Github
Built a web application to help users track pantry items, including expiration dates and quantities.
- Utilized ReactJS for dynamic user interfaces and NextJS for server-side rendering.
- Integrated Firebase for real-time database management and user authentication.

AI Customer Support | OpenAI, NextJS, AWS | Github
- Developed an AI-powered customer support chatbot to handle common inquiries and support tasks.
- Leveraged OpenAI's language model to provide accurate and context-aware responses.
- Deployed the application using AWS for scalability and reliability.

AI Flashcards & Stripe | OpenAI, Auth, StripeAI | Github
- Created an AI-driven flashcard application to help users learn and memorize information efficiently.
- Incorporated user authentication for personalized experiences and secure access.
- Integrated StripeAPI to handle payment processing for premium features.

AI Rate My Professor | RAG, OpenAI, Vectors | Github
- Developed a platform to allow students to rate and review professors using AI for sentiment analysis.
- Used Retrieval-Augmented Generation (RAG) for accurate information retrieval and response generation.
- Implemented vector-based search to enhance the relevance and precision of search results.