Ayman Abdalla

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EDUCATION

University of Texas at Arlington   **Expected Graduation: December 2024**
Bachelor of Science in Software Engineering   *Arlington, TX*

Texas A&M University at Corpus Christi   **August 2014 – December 2018**
Bachelor of Business in Marketing   *Corpus Christi, TX*

SKILLS

Languages: C/C++, C#, Java, Python, JavaScript, TypeScript, SQL, HTML/CSS
Technologies: Git, Node.js, React/Next.js, MySQL, MongoDB, Azure, AWS, Docker, Kubernetes, Jira, Flask, JUnit
Methodologies: Agile, Scrum, OOP, Functional Programming, WaterFall

EXPERIENCE

Headstarter AI   **July 2024 – Present**
Software Engineering Fellow   *Dallas, TX(Remote)*
- Building **5 AI-driven projects** during an intensive 7-week program achieving a 100% project completion rate.
- Developing proficiency in HTML/CSS, React/Next.js, Firebase, OpenAI, AWS EC2/Lambda, Authentication, Payment, and Vector Databases.
- Implementing deployment strategies that improved application **efficiency by 30%** optimizing overall performance.

University of Texas at Arlington, CSE Department   **August 2023 – December 2023**
Undergraduate Teaching Assistant – Theory of Computation   *Arlington, TX*
- Delivered one-on-one support to **over 50 students** during weekly office hours, addressing questions or concerns, and clarifying any doubts related to course content.
- Graded assignments and exams promptly, maintaining a **48-hour turnaround time**, and offered constructive feedback.
- Updated course materials, including lecture notes, problem sets, and exam questions, leading to an increase in student comprehension and engagement.

PROJECTS

Project In | *Python, TypeScript, MongoDB, Next.js, Node.js*   **May 2024 - Present**
- **Led development** on a dynamic platform aimed at empowering creators to showcase their software projects to developers, enthusiasts, and potential collaborators.
- Designed a flexible tagging system for project categorization, **supporting 50 predefined tags** for programming languages and frameworks, with users adding over **30 more custom tags** for personalized project categorization.

UrbanStays | *TypeScript, Tailwind CSS, MongoDB, Prisma, Next.js, Node.js*   **April 2024 - May 2024**
- Developed a full-featured Airbnb clone resulting in a scalable web application with a modern UI capable of booking and **managing over 20 property types.**
- Built search functionalities with filters for **10+ criteria**, including location, price, and amenities, which improved user search accuracy and satisfaction.
- Integrated payment processing and booking features, **achieving 90% user satisfaction** in feedback surveys and improving the overall functionality of the application.

PixEra | *Python, JavaScript, MongoDB, React.js, Flask*   **August 2023 - December 2023**
- Implemented streamlined booking and reservation features, which **improved user acquisition by 40%** resulting in a doubling of average monthly bookings processed.
- Conducted extensive testing **running 1000+ test cases** to validate the new functionality ensuring the stability and reliability of our code.
- Utilized GitHub's issue tracking system to actively **manage and resolve 30+ issues**, enhancing team communication and task efficiency.
- Actively **collaborated in 15+ code reviews**, offering valuable feedback and suggestions which improved code quality, identified bugs, and ensured compliance to best practices.