Ben Charles Abdul

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OBJECTIVE

Aspiring Software Engineer with a background in Computer Engineering and experience as a Software Engineer. Eager to leverage technical skills and innovative solutions to contribute to cutting-edge hardware and software development projects.

EDUCATION

Ashesi University   Eastern Region, Ghana
BSc. Computer Engineering   Expected Date of Graduation: Jun 2025
Relevant Courses:

Data Structures & Algorithms	Operating Systems	IoT	Networks and Data Communications
Object-Oriented Programming	Embedded Systems	Capstone	Deep Learning

ALX Software Engineering Program   Accra, Ghana
Software Engineering   Nov 2023 - Jan 2025
- A rigorous, hands-on program covering software engineering foundations and advanced concepts.
- Validated strong performance in foundational sprints, achieving an average greater than 85% over the entire program.
- Gained hands-on experience in Full Stack Development, DevOps, Algorithms, and System Design.

ACHIEVEMENTS/AWARD

- Featured five consecutive times on the Dean's List*
- Arduino-Based Coding Competition Winner, Ashesi ARM Club

WORK EXPERIENCE

Automation Ghana   Aug 2024 - Sep 2024
Software Engineer (Intern**)**
- Developed an Electron web app for integration with a batch controller to track fuel queues, improving real-time operational visibility.
- Designed Human Machine Interfaces using DOPSoft, ensuring smooth communication with PLC systems.
- Conducted rigorous testing of PLC systems for operational efficiency and reliability.

PROJECTS

Twi Transcription Model   Nov 2024 – Dec 2024
- Developed a fine-tuned whisper model for transcribing audio in the Asanti-twi language, achieving a word error rate of less than 15%.

Canvas Dark (Browser extension)   Apr 2022 – Apr 2023
- Designed a browser extension to reduce eye strain using HTML, CSS, and JavaScript, offering multiple adaptable themes.

Attendance Recording System, Ashesi University   Jul 2021 - Sep 2021
- Developed an Arduino-based fingerprint scanner for attendance tracking, storing over 100 students' data and using 9V batteries for power.

CO-CURRICULAR ACTIVITIES

Peer Tutor, Ashesi University   Jan 2023 - Present
Subjects: Object-Oriented Programming (Java), C Programming, and Python Programming.

SKILLS

- **Languages**: Python, Java, C, HTML, CSS, JavaScript, SQL, PHP, React, JSON
- **Tools**: Git, GitHub, MATLAB, Arduino, Postman, Bash, Vim, Project Libre
- **Design Tools**: Canva, Adobe XD, Figma, Clipchamp, Microsoft Office Suite,
- **Soft Skills**: Strong oral and written communication, Teamwork, Leadership, Analytical Thinking, Problem Solving
- **Certifications:** ALX **-** Software Engineering **,** Sololearn **-** Responsive Web Development

References available upon request
* Awarded to students with a GPA of 3.5 or higher each semester