Babiker Babiker

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EDUCATION _____

California State University, Fullerton   *Expected Graduation: May 2026*

Bachelor of Science in Computer Science

· Courses: Compilers, File Structures & Databases, Software Engineering, Discrete Math, Assembly, Algorithm Engineering

El Camino College   *June 2024*

Computer Science Certificate of Achievement

· Courses: Data Structures, Object Oriented Programming, Functional Programming, Java Programming, Advanced C++

SKILLS _____

Languages, Frameworks & Libraries   *C++, Java, Python, React.JS, Next.JS, Node.JS, SQL, NoSQL, JavaScript, Material UI*
Developer Tools   VS Code, Firebase, MySQL Workbench, Analytics, DNS, Git, Linux, Windows, Mac, Bootstrap, Jira

EXPERIENCE _____

Software Engineering Intern   *Sept. 2024 – Nov. 2024*
Bright Start Education-Tech   *Los Angeles, CA*

· Developed and maintained mobile applications for iOS and Android using React Native
· Assisted in designing and integrating MySQL databases to support seamless app functionality
· Collaborated with the design team to create intuitive and visually appealing UI/UX for mobile apps
· Used Jira to manage tasks, track progress, and coordinate with the development team
· Wrote, tested, and debugged code under the guidance of senior developers to ensure high-quality deliverables
· Researched emerging mobile app trends and technologies to enhance app performance and user engagement

Software Engineering Fellow   *July 2024 – Sept. 2024*
Headstarter AI   *New York, NY*

· Completed a 7-week fellowship, contributing to 4 AI-focused projects while refining a technical portfolio
· Collaborated on 3 team-based AI projects, focusing on analytics, model optimization, and deployment
· Designed and implemented scalable solutions to enhance real-world applicability of AI tools
· Conducted performance testing and debugging to ensure the reliability and efficiency of AI models
· Improved technical interview skills through Python mock interviews with feedback from an AI interviewer
· Mentored by engineers from Amazon, Bloomberg, and Capital One, gaining insights into industry best practices

PROJECTS _____

QuickChat | Published Web-App - quickchat.bbabiker.com   *Sept. 2024 – Dec. 2024*

· Developed a full-stack web application using Next.js for server-side rendering and React for the frontend.
· Implemented Firebase Authentication to manage user sign-ups and logins with real-time authentication.
· Utilized Firestore for real-time data storage and chat message synchronization across users.
· Designed the user interface with Material UI, ensuring a responsive and intuitive experience.
· Created dynamic chat rooms with real-time messaging and user-controlled privacy settings.
· Integrated user profiles with the ability to customize usernames and avatars, linked to Firestore data.

CardCrush AI | Published Web-App - cardcrushai.bbabiker.com   *Aug. 2024*

· AI-powered flashcard generator using Next.js for easy creation and management of study materials.
· Integrated Stripe for secure, scalable subscription-based billing, providing users with a streamlined experience.
· Implemented user authentication and data synchronization across devices using Clerk, ensuring seamless access.
· Designed an intuitive UI with Material-UI and incorporated Gemini API for real-time data processing.
· Incorporated multi-language support, enabling users to create and study flashcards in various languages.

IceMan | Team Project & Open-Source - github.com/babikerb/iceman   *May 2024 – June 2024*

· Developed a 2D game in C++ with engaging mechanics, completing over 90% of required features by applying OOP Principles.
· Increased collaboration effectiveness by integrating code contributions with a partner using Git and GitHub version control.
· Organized code into modular components, enhancing maintainability and reducing debugging time.
· Designed a responsive player control system, ensuring smooth and intuitive interactions across all game levels.
· Implemented scalable game levels with adjustable difficulty, enhancing gameplay variety and engagement.