Moubarak Clemenceau Ali-Kparah

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Education

Rust College   **Expected Dec 2028**
*Bachelor of Science in Computer Science — **GPA: 4.0***   *Holly Springs, MS*
- Relevant Coursework: Pre-Calculus, Intro to Python, Calculus I

Experience

Rhodes College   **May 2025 – July 2025**
Biology Research Intern   *Memphis, TN*
- Managed 20+ complex scientific protocols, strictly adhering to documentation standards that mirror software version control and debugging methodologies.
- Automated data entry workflows where possible, ***reducing manual error rates by 15%*** through systematic process optimization.

Technical Projects

Moubely (Intelligent Desktop Assistant) | *Electron, React, TypeScript, AI APIs*   **Dec 2025**
- Designed a ***multi-model AI routing system*** in Electron and TypeScript, ***dynamically selecting among 18 AI models*** to ensure ***high availability*** and prevent ***API failures***.
- Engineered a ***stealth Electron assistant*** with advanced window management, implementing a custom ***"Ghost Window" fix*** to remain invisible to screen recording software.
- Architected a ***live terminal telemetry system*** to pinpoint and resolve issues like ***audio race conditions***, reducing transcription latency by 40% through ***in-memory caching*** and real-time error tracking.

Movie Search App | *React, JavaScript, Tailwind CSS, AppWrite*   **Nov 2025**
- Built a ***reactive app*** using ***Appwrite*** for auth and real-time database management, ***scaling to 500+ active user searches*** via optimized ***REST API*** integration.
- Engineered a ***smart routing system*** for ***native Android intents*** or web fallback, ***improving mobile load times by 30%*** and optimizing the overall user experience.

Personal Portfolio Website | *HTML, CSS, JavaScript*   **Sep 2025**
- Developed a high-performance portfolio site using modern ***CSS Grid and Flexbox***, achieving a ***100/100 Lighthouse performance score***.
- Automated ***deployment pipelines via GitHub Actions*** with custom domain configuration and ***SEO optimization***.

Leadership

Rust College | *Student-Athlete*   **Jan 2025 – Present**
- Maintain a ***4.0 GPA*** while dedicating 20+ hours weekly to intercollegiate tennis; mentored 10+ freshmen on balancing academic rigor with high-performance athletic travel commitments.

Technical Skills

Languages: TypeScript, JavaScript, Python, HTML/CSS
Frontend: React, Tailwind CSS, Vite, React Query, Radix UI
Backend & System: Electron (IPC, Native Modules), Node.js, REST APIs
AI & ML: Gemini API (1.5 & 2.0 Flash), DeepSeek R1, Perplexity, Groq, Whisper
Tools: Git/GitHub, Linux (Bash), VS Code, CyberChef, SSH

Affiliations & Honors

ColorStack Fellow · 2026 EICOP Finalist · CodePath CyberSecurity · French Proficiency – Native