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*

- **Collaborated** with a cross-functional team to execute 20+ complex scientific protocols, adhering to documentation standards that mirror **software version control** and debugging methodologies.
- **Spearheaded** the automation of data entry workflows, **reducing manual error rates by 15%** through process optimization and custom scripting.

Technical Projects

Moubely (Intelligent Desktop Assistant) | *Electron, React, TypeScript, AI APIs* **Dec 2025**

- **Architected** an LLM orchestration layer with a multi-model routing engine, **eliminating 95% of API failures** by dynamically selecting among 18 AI models for **high-availability** performance.
- **Engineered** a stealth Electron overlay with specialized window management, ensuring zero visibility to screen recording software for high-privacy use cases.
- **Implemented** a live terminal telemetry system to resolve audio race conditions, **reducing transcription latency by 40%** through in-memory caching and real-time observability.

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**

- Maintained a perfect **4.0 GPA** while dedicating 20+ hours weekly to intercollegiate athletics, concurrently **mentoring 10+ freshmen** on balancing academic rigor with high-performance 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