MUHAMMAD JALLOW

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EDUCATION

University of Dallas (Irving, TX) Anticipated Graduation: May 2025
Bachelor's of Science in Computer Science

- Relevant Coursework: Operating Systems, Discrete Data Structures, Algorithms, Mobile App Development, Databases & Computer Security.

EXPERIENCE

Research Intern May 2024 – Aug 2024
University Of Dallas *Irving , TX*

- Improved gene dataset analysis by 40% through algorithm optimization using Python and data structures.
- Enhanced data processing accuracy by refining large datasets using CSV parsing and machine learning techniques.
- Supported biological research by translating complex gene data into visual insights with PowerBI.

Full Stack Developer Intern May 2023 – Aug 2023
Mansa Oil & Gas *Dickinson, ND*

- Designed, developed, and deployed a full-stack company website showcasing services, projects, and expertise, increasing online inquiries by 50%. (Website: www.mansaoilandgas.com.)
- Reduced website load times by 35% through code optimization using efficient JavaScript practices.
- Conducted usability testing and implemented UI/UX improvements, reducing bounce rates and increasing customer engagement.

Mobile App Developer Intern Aug 2021 – Aug 2022
University Of Dallas *Irving, TX*

- Contributed to the development of the official University of Dallas mobile app, improving student engagement and accessibility.
- Increased student engagement by 20% through push notifications and in-app messaging using Flutter and Firebase.
- Designed a modern, intuitive UI to improve navigation and enhance the overall student experience.

PROJECTS

Interactive Personal Portfolio | *HTML, JavaScript, TailwindCSS*

- Designed and developed a fully responsive, interactive portfolio to showcase projects and technical skills.
- Integrated a contact form with email notifications using EmailJS for recruiter and client interactions.
- Optimized for SEO and performance, achieving a 95+ Lighthouse score for accessibility and speed.

TaskFlow | *React.js, CSS, HTML, JavaScript, Node.js*

- Developed a comprehensive task management tool to help individuals and teams organize, prioritize, and track tasks within projects.
- Enhanced user productivity through drag-and-drop functionality and real-time updates using React DnD and WebSockets.

ACTIVITIES

- **ICPC Programming Hackathon;** Represented the University of Dallas as a team member in the ICPC Programming Competition. Collaborated to solve challenging algorithmic problems.

SKILLS

Programming Languages: Rust, C, Java, Python, Flutter, Racket, SQL, JavaScript, HTML, CSS

Tools & Platforms: Git, GitHub, Google Cloud, Linux

Frameworks & Libraries: React, AngularJS, NodeJ, WordPress

Data & APIs: PowerBI, RESTful APIs, FastAPI

Areas of Expertise: Full Stack Development, UI Design