A Rahman Gulaid

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EDUCATION

The University of Texas at Dallas – Richardson, TX

    Bachelor of Science, Computer Science   **Aug 2023-May 2026**

Relevant Coursework: Data Structures, Advanced Algorithms, Machine Learning, Operating systems, Linear Algebra, Discrete Math

Collin College – Plano, TX

    Associate of Science   **Jan 2022- Aug 2023**

TECHNICAL SKILLS

- **Languages**: Python (NumPy, Pandas, scikit-learn), C++, Java, SQL

- **Web Development:** JavaScript, HTML/CSS, React, Tailwind CSS,

- **Frameworks/Tools:** Git/GitHub, Node.js, Firebase.

- **Cloud/Platform:** AWS, Azure, Linux/UNIX.

- **ML & Data**: TensorFlow (basic), Matplotlib, data wrangling, exploratory analysis

EXPERIENCE

Freelance Web Developer – Gulaid Park | Remote   **Jan 2024 – May 2024**

- Built a responsive website (gulaidparkhotel.com) using JavaScript and HTML, boosting user engagement by 20%.
- Implemented an online booking system, reducing manual workload and inbound booking calls by 60%.
- Deployed a user-friendly CMS for effortless content updates, improving overall site maintainability

PROJECTS

Full-Stack Finance Tracker Web App

Team Project | Django, React.js, Django REST Framework, SQLite   **Jan 2025 --may 2025**

- Built a secure finance tracker with JWT auth, real-time budget tracking, and user-specific currency settings.
- Developed RESTful APIs to power all frontend interactions, including expense summaries and annual analytics.
- Created dynamic models for transactions, budgets, and categories, with auto-generated defaults for new users.
- Designed a responsive React UI with Bootstrap, enabling seamless access across devices.

AI-Based Smart Security System   **Dec 2024 – Present**

- Engineered a facial recognition system using ESP32-CAM; integrated ChatGPT API for voice-assisted security alerts.
- Created robust data pipelines, enabling ongoing model refinement based on real-time system logs.
- Seamlessly deployed a temporary laptop camera solution to maintain project momentum amid hardware delays.

Flight Management System   **Sep 2024 – Nov 2024**

- Implemented an iterative backtracking algorithm to discover all possible flight paths among 100+ routes.
- Optimized route search by 40% using adjacency lists and efficient graph traversal structures in Python.
- Provided cost- and time-based ranking for user-friendly decision-making and enhanced search responsiveness.

ACTIVITIES AND INVOLVEMENT

- Member, Research, Inquiry, Design Experience (RIDE) Program – focused on innovation and problem-solving
- Volunteer Mentor, Local High School Coding Bootcamp (Python)
- Regular Participant, HackUTD and Online Hackathons
- Captain, UTD Intramural Soccer Club – led team collaboration and strategic planning