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