

JANRED SALUBAYBA

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Education

University of Houston | Honors College, Houston, TX
Bachelor of Science, Major in Computer Science

Expected Graduation: May 2026
GPA: 3.2

Relevant Coursework: Object-Oriented Programming, Programming and Data Structures, Computer Organization and Architecture, Operating Systems

Skills

Application Software: Node.js, Express, Power Automate, Microsoft Office
Programming Languages: C++, Python, JavaScript, HTML/CSS
Technologies: React.js, Git, GitHub, Scratch/Snap, PowerBI

Experience

NASA | Database Development and Management Intern, Stennis Space Center, MS

Jan - May 2023

- Developed a currently in use database, allowing personnel to easily access information on various projects
- Created 20+ custom columns with dynamic field formatting, allowing researchers to focus more on project analysis.
- Automated CSV imports for over 1,000 NASA-funded research and development projects using Power Automate.
- Collaborated with NASA personnel to optimize database usability based on user needs, ensuring efficient access

Relevant Projects

AI Chat and PDF Summarizer | Node.js, Express, Socket.IO, GPT-4 Turbo

HackTX - Nov 2024

- Developed an AI-driven chat and PDF summarization tool for real-time interactions with AI-assisted responses.
- OpenAI API integration for personalized chat and PDF parsing with context-aware responses.
- Streamlined data handling and storage to enhance response accuracy and user engagement.

Real-Time Chat Application | Node.js, JavaScript, Socket.IO

Aug 2024 - Oct 2024

- Real-time chat application built using Express and Socket.IO for user interactions.
- Dynamic user messaging with username assignment and broadcasting in a responsive web interface.
- Strengthened understanding of WebSocket communication, and real-time server management.

Discord Music Bot with YouTube Integration | JavaScript

Oct 2022 - Dec 2022

- Developed a Discord bot that integrated YouTube Data API for seamless music search and streaming.
- Supported both song and playlist requests using queue management.
- Improved skills in API integration, asynchronous programming, and enhancing user experience in a real-time environment.

Space Exploration Game | C++

Nov 2023 - Dec 2023

- Created a C++ text-based space exploration game with resource management and random events.
- Applied object-oriented principles to design classes for handling planets, spaceships, and event-driven gameplay.
- Enhanced proficiency in object-oriented programming, game logic design, and managing dynamic events.

VEX Robotics | Python, Scratch

Dec 2021 - May 2022

- Programmed the controller to communicate with the VEX Brain for driver-controlled operations.
- Helped secure 3rd place at the Texas state competition, remaining undefeated in the autonomous stage.
- Gained hands-on experience in robot automation, collaborative problem-solving, and programming real-world challenges.

Leadership & Activities

Society of Asian Scientists and Engineers (SASE) | Professional Member

Aug 2024 - Present

- Collaborated with members to fill 30+ bags of food during animal shelter volunteering sessions, supporting animals in need
- Attending workshops and professional development events to enhance my technical and soft skills
- Networking with industry professionals, gaining insight into career preparation