

Rahul Shrestha

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EDUCATION

Texas Christian University

Bachelors in Computer Science and Mathematics

Expected: May 2026

Current GPA: 3.75/4.0

RELEVANT COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Discrete Math, Linear Algebra, Calculus I , Calculus II, Statistics

Honors: Dean's Scholarship, Dean's List

SKILLS

Languages: Java, C/C++, Python, JavaScript, Rest API, React, React Native, NodeJS, HTML/CSS

Technologies: Git/GitHub, MySQL, Firebase/Firestone, Docker

PROJECTS

Bank Management System | *Java, MySQL, SwingUI, Spring Boot*

Feb. 2024 - Mar. 2024

- Designed intuitive Swing UI for efficient administration.
- Implemented MySQL for reliable data storage, using advanced database administration procedures to ensure the confidentiality of data.

Portfolio Website *shres.dev* | *React, ReactJS, NextJS, Chakra-UI, CSS, LaTeX*

Jan. 2024 - Present

- Implemented responsive design principles to ensure optimal viewing experience across various devices, enhancing accessibility and user engagement.
- Integrated ReactJS for seamless navigation and interactive user interface elements.

ARM Machines Instructions | *Java, Git, SwingUI, VS Code*

Nov. 2023

- Developed a JAVA application featuring an intuitive Graphical User Interface(GUI) to facilitate the encoding and decoding of sixteen ARM7 instructions, accommodating them across a bank of sixteen registers.
- Proficiently demonstrated competence in Java programming, including GUI design and event-driven programming, while successfully executing the project.

Email Administration Toolkit | *Java, MySQL*

Jul. 2023

- Developed an Email Application tailored for IT Support Administrators, automating the creation of email accounts for new hires and enhancing organizational efficiency.
- Implemented a backend system with MySQL for user data administration.

EXPERIENCE

United Nations Human Rights Council | *Outstanding Delegate*

Sept. 2021

- Conducted in-depth research and analysis on human rights crises in the Middle East, contributing to informed discussions and resolutions within the UNHRC.
- Engaged in diplomatic negotiations and proposed effective solutions aimed at addressing human rights violations.
- Promoted conflict resolution strategies within the M-UNHRC framework, showcasing strong communication, negotiation, and leadership skills.

Xavier Academy | *Social Welfare Coordinator*

2018-2020

- Engaged with children in orphanages, offering emotional support, educational assistance, and recreational activities to foster a nurturing environment and promote their holistic development.
- Supported senior citizens in old-aged homes through companionship and recreational activities, enhancing their well-being.

MEMBERSHIPS

- Robotics and Artificial Intelligence Club
- CodePath at TCU