

Harpreet Kaur Goraya

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PROFESSIONAL SUMMARY

Computer Science student with a 3.81 GPA and hands-on experience developing full-stack applications using JavaScript, React.js, Node.js, Express.js, and RESTful APIs. Strong foundation in object-oriented programming, data structures, databases, software design, and machine learning. Experienced in academic software development, automated testing, data analysis, and translating requirements into practical technical solutions.

EDUCATION

University of Houston

Bachelor of Science in Computer Science; GPA: 3.81

Houston, TX

Expected Dec 2026

- **Dean's Distinguished Scholars List** – Fall 2025 and Spring 2026
- **Relevant Coursework:** Software Design, Data Science & Machine Learning, Algorithms & Data Structures, Database Systems, Fundamentals of Artificial Intelligence, Data Science

Lone Star College

Associate of Science in Mathematics & Science; GPA: 4.00

Houston, TX

Graduated May 2025

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, SQL, C++, R, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Pandas, NumPy, Jest, Supertest

Data & Machine Learning: Power BI, Excel, Statistical Modeling, Predictive Analytics, Data Visualization

Databases & APIs: MySQL, RESTful APIs, JSON, Database Schema Design

Tools & Practices: Git/GitHub, Unit Testing, TDD, Jupyter Notebook, VS Code, UI/UX Design

PROJECT EXPERIENCE

QueueSmart – Full-Stack Queue Management System

Jun 2026 – Aug 2026

Software Design Course — React.js, Node.js, Express.js, Jest, RESTful APIs

- Developed a full-stack queue management application and contributed to backend authentication, ticket history, and core business logic.
- Engineered RESTful APIs using Node.js and Express.js with bcrypt password hashing, secure user authentication, and role-based access control.
- Achieved 93% backend statement coverage by developing 29 automated unit tests with Jest and Supertest to validate business logic and error handling.
- Integrated React.js frontend components with live backend endpoints and implemented client-side form validation for improved user experience.

MoneyMingle – Personal Savings Management Application

August 2026 – Present

Full-Stack Web Application — Database Design, REST APIs, JavaScript

- Developing a web application that converts a personal savings-tracking spreadsheet into a database-backed platform for managing financial goals, accounts, and transactions.
- Designed a relational data model consisting of users, accounts, goals, and transactions to replace spreadsheet formulas with database queries and computed values.
- Developing dashboard functionality to display savings progress, account balances, transaction history, and financial allocations across multiple goals and accounts.
- Implemented transaction logic for deposits, withdrawals, and reallocations while maintaining balanced account and goal calculations.

WORK EXPERIENCE

Science Lab Coordinator

August 2025 – Present

Lone Star College System

- Coordinate laboratory operations across multiple science courses, supporting 100+ students per semester and ensuring daily activities are organized and completed accurately.
- Maintain inventory records and documentation for 200+ laboratory equipment items and chemical supplies.
- Analyze student performance information to identify trends and support instructional improvements.