

Rana Mujtaba

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🌐 [GitHub](#) | 🔗 [LinkedIn](#) | 📁 [Portfolio](#)

➤ Education

DePauw University, Greencastle, IN

Aug. 2020 – May 2024

Bachelor of Arts in Computer Science

- **Major GPA:** 3.80/4.0
- **Relevant Coursework:** Data Structures, Algorithms, Object-Oriented Programming, Discrete Mathematics, Statistics for Professionals, Mobile Development, Linear Algebra, Data Mining
- **Dean's List and Semester Honors:** Fall 2020, Spring 2021, Fall 2022

➤ Skills

- **Languages:** Python, JavaScript, TypeScript, Java, SQL, CSS 3, HTML 5, LaTeX
- **Softwares:** React.js, Node.js, Angular, Next.js, Express.js, MongoDB, MySQL, Git, GitHub, VS Code

➤ Work Experience

Software Engineer Intern

May 2022 – Aug. 2022

Contour Software

- Implemented 5+ features to improve the Inventory Merchandiser Dev UI using React.js and TypeScript
- Modularized and upgraded 15+ components to fix 30+ medium and high severity bugs
- Utilized Jest framework to conduct unit tests for React components, achieving 95% code coverage
- Developed REST APIs to provide CRUD operations for DMS and tested functionality using Postman

Teaching Assistant for Data Structures

Sep. 2021 – May 2022

DePauw University

- Responsible for grading homework, projects and in-class problem sets for 20+ students
- Held bi-weekly office hours and lectures to debug students' code and assist them in understanding fundamental algorithmic concepts

➤ Projects

Marketplace Web Application

[View Code](#)

React.js, Node.js, Express, MongoDB, Stripe, Socket.io

- Developed a full-stack e-commerce application using the MERN stack, complete with features that allows users to buy and sell products, and create shops
- Designed, architected, and wrote the front-end of the application using React.js and Material UI
- Created the back-end with Node, Express and used MongoDB to store the product and user information
- Implemented Socket.io on the client and server side to add an auction feature with real-time bidding capabilities and developed payment processing modules using Stripe

Spotify Profile Application

[View Code](#)

React.js, Node.js, Express, REST APIs

- Built a responsive web application to visualize personalized data retrieved from the Spotify API
- Designed and architected the front-end using React and Styled Components
- Integrated a Spotify login feature with OAuth and handled authentication requests using Express.js and Node.js

Web Scraping Tool

[View Code](#)

Python

- Developed a web scraping tool in Python to collect data on topics and repositories from GitHub
- Utilized libraries such as pandas and numpy for analysing the data, as well as the requests and BeautifulSoup libraries for making HTTP requests and parsing HTML data