

UJWAL JOSHI

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Education

University of Houston

Bachelor of Science in Computer Science, Minor in Mathematics

Aug 2021 - Dec 2024

GPA: 3.71

Experience

Paycom

Software Developer

December 2024 – Present

Irving, TX

- Designed and implemented full-stack solutions for Paycom's Expense Management module, building React interfaces, PHP services, and updating MySQL schemas to meet project requirements for expense submission, approval, and reporting.
- Enhanced legacy expense management systems by adding new features, optimizing database queries, and ensuring reliability with automated C# test suites.
- Worked closely with product managers, QA, and cross-functional teams to deliver expense management features that improved approval efficiency and reduced manual processing.

The Boeing Company

Digital Aviation Solutions - Development Intern

June 2024 – August 2024

Denver, CO (Remote)

- Collaborated with a **10-member** Software and DevOps team to develop and optimize tools supporting navigation data workflows.
- Automated navigation data analysis processes using shell scripts, reducing manual effort and accelerating data processing.
- Implemented data validation within a CI/CD pipeline and Docker environment, enhancing deployment efficiency and enabling clear, user-friendly test result reporting.

Projects

CatchUp | *SwiftUI, Firebase, Figma*

December 2024

- Designed and developed a gamified journaling app using **SwiftUI**, promoting mental well-being by encouraging daily gratitude journaling and personal reflections.
- Designed UI in **Figma** and used SwiftUI, to enhance user experience with an interactive virtual city-building feature.
- Integrated **Firebase** Authentication, **Firestore** Database and Apple **CoreML** to securely manage user accounts, store journal entries, and analyze user mood through sentiment analysis, enhancing personalization and engagement.

chatAIr | *NodeJS, ExpressJS, React Native, Amadeus, RapidAPI*

February 2024

- Led a team of 3 developers to create a mobile application with **React Native** which simplifies flight ticket price searches, earning first-place out of **20 teams** for innovation and accessibility at the CodeRED Genesis hackathon.
- Integrated APIs from **Amadeus** and **Rapid API** to enhance data retrieval for more accessible flight search results.
- Utilized **Natural Language Processing** to interpret user queries and improve the efficiency of retrieving relevant flight information customized to their specifications.

Involvement and Leadership

CougarCS

Computer Science Tutor

August 2023 – August 2024

Houston, Texas

- Guided **11+** students on coding assignments, projects, and lab exercises on a **weekly basis**.
- Increased student exam scores by an average of **12%** by collaborating with a team of **30** tutors to centrally plan customized lesson plans.
- Conducted one-on-one and group tutoring sessions for students enrolled in Computer Science courses such as Data Structures.

Technical Skills

Languages: JavaScript/Typescript, SQL, Python, PHP, Java, C++

Technologies/Frameworks: ReactJS, Redux, TailwindCSS, Pandas, NumPy, PostgreSQL, MongoDB, Firebase