

# 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

December 2024 – Present

Software Developer

Irving, TX

- Built and maintained full-stack features for Paycom's Expense Management module—serving **37,500+** clients—using React, PHP, and MySQL.
- Developed an OCR-powered, **data-science-driven** receipt-parsing workflow that automatically extracts key fields and prepopulates expense forms, significantly reducing manual entry and submission time.
- Contributed to a **multimillion-dollar** Yodlee integration initiative, enabling secure bank-account connectivity and direct transaction retrieval to streamline and automate the expense-creation process.

### The Boeing Company

June 2024 – August 2024

Digital Aviation Solutions - Development Intern

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**, **Firebase 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

August 2023 – August 2024

Computer Science Tutor

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