



# NEIL PRABHU

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## EDUCATION

### University of Illinois at Urbana-Champaign

August 2020 – May 2024

Bachelor of Science in Computer Science

GPA: 3.95/4.0

- **Relevant Coursework:** System Programming, Internet of Things, Algorithms, Web Programming, Database Systems, Data Structures, Computer Architecture, Discrete Structures
- **Honors:** Dean's List (Fall 2020, Spring 2021, Fall 2021)

## EXPERIENCE

### United Airlines

Chicago, IL

*Digital Technology Intern – iOS App Development*

May 2022 – August 2022

- Participated in the planning, design, and implementation of the edit search feature on the United mobile app for iOS
- Worked with developers, business analysts, UX, and QA teams throughout the development process
- Implemented components as per the MVC model and handled the underlying logic behind user inputs
- Performed rudimentary unit, regression, and E2E testing on several of the deliverables

### CS 124 – Introduction to Computer Science I

Champaign, IL

*Course Assistant*

August 2021 – May 2022

- Conducted one-on-one support sessions with students to assist them on machine projects, daily homework problems, and practice quizzes
- Contributed towards course content by recording audio walkthroughs and homework solutions

### Private Pilot's License [ASEL]

Bolingbrook, IL

*Certified Airman*

June 2018 – January 2020

- Earned an FAA-certified Private Pilot's License which certifies the holder to operate and act as Pilot in Command (PIC) of any Single-Engine Land Aircraft

## PROJECTS

### Aeronautical Multi-tool Android App

- Created an Android app called Pilot Pal that has several aeronautical features: search METAR/TAF reports by ICAO identifier, search airport information, perform crosswind/headwind calculations, perform fuel and flight time calculations, perform descent calculations by distance or vertical speed

### Project Idea Matching Application

- Created a full-stack application called Spark with a team of 4 that matches users with compatible skill sets to interesting project ideas which other users have posted
- Used Figma for the UI mockups, React Native for the frontend, NodeJS & ExpressJS for the backend, and MongoDB Atlas for the database
- Implemented several HTTP endpoints and queried database using the Mongoose library as required

### Restaurant Finding Application

- Created a full-stack web application called Food Finder with a team of 3 that displays restaurants in the Chicagoland area and enables users to track past order history
- Used ReactJS for the frontend, NodeJS & ExpressJS for the backend, and MySQL for the database
- Developed several pages on the frontend, and styled individual components using CSS
- Constructed REST API requests using Axios and handled the responses accordingly

## SKILLS

- **Languages & Tools:** Java, Python, C/C++, Swift, HTML, CSS/SCSS, JavaScript, ReactJS, NodeJS, ExpressJS, SQL, MongoDB, Neo4j, Git