

# Suhas Puttoju

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## EDUCATION

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**The University of North Carolina at Chapel Hill | Chapel Hill, NC**

**B.S. in Computer Science, B.S. in Data Science, Minor in Business | GPA: 4.0 / 4.0**

**May 2027**

**Relevant Courses:** Data Structures, System Fundamentals, Intro to Data Science, Linear Algebra, Optimization

## EXPERIENCE

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**UNC CS + Social Good | Project Team Member | Chapel Hill, NC**

**January 2024 - Present**

- Developing versatile, functional web platforms for small nonprofit charities; offering small-scale organizations the opportunities to manifest their aspirations into reality by increasing their online reach and retention
- Collaborated with a team to develop a user-friendly web app for Beautiful Together animal sanctuary, enhancing pet adoption processes

**Mathnasium | Mathematics Tutor | Apex, NC**

**Oct 2022 - June 2023**

- Instructed 15-20 students in grades K-12 during tutoring sessions 3x a week; offered individualized support and encouragement while accounting for individual situations, strengths, and objectives
- Established strong, thorough relationships with students; incorporated their natural strengths into a tailored and adaptable pathway towards academic and personal excellence alike

## PROJECTS

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**WeatherNary | Node.js, Express, EJS, OpenWeatherMap API**

**July 2024**

- Developed a responsive web app to display real-time weather data for any location using multiple endpoints from the OpenWeatherMap API
- Implemented features including a 12-hour forecast with horizontal scrolling, and metrics like humidity, wind speed, pressure, and "feels like" temperature
- Added a toggle switch to seamlessly convert temperature units between Celsius and Fahrenheit, enhancing UX

**Diabetes Classifier | Python, Flask, scikit-learn, Pandas, Seaborn**

**December 2024**

- Preprocessed data using Pandas and Seaborn for cleaning, feature selection, and analyzing feature importance with visualizations like heatmaps and box plots.
- Built and evaluated a Decision Tree classifier with scikit-learn, tuning parameters and assessing performance using metrics such as accuracy and confusion matrix.
- Developed a Flask web app to provide real-time diabetes predictions, incorporating user-friendly inputs and interactive visualizations.

**Akari Puzzle Game | Java, JavaFX, MVC, Maven**

**November 2024**

- Designed and implemented a grid-based puzzle game using JavaFX, featuring interactive cells and dynamic UI updates with visual indicators and lighting logic
- Built navigation controls (next, previous, random) and lamp placement mechanics, ensuring seamless gameplay
- Applied the MVC pattern to maintain clear separation of concerns, improving code organization and scalability

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, HTML, CSS, SQL

**Frameworks:** Node.js, React, JUnit, JavaFX, Flask, Maven

**Libraries:** Pandas, Matplotlib, Seaborn, Scikit-learn, NumPy, SciPy