

Keerthana Vegesna

|  [Portfolio Website](#) |  [linkedin.com/in/keerthana-vegesna/](https://www.linkedin.com/in/keerthana-vegesna/)

EDUCATION

Purdue University

Expected Graduation: Dec. 2024

Bachelor's of Science in Computer Science

West Lafayette, IN

- **Minors/Certificates:** Entrepreneurship and Innovation, Applications in Data Science, Mathematics
- **Coursework and Skills:** Data Structures, Algorithms, Data Mining and Machine Learning, Software Testing, Computer Architecture, Systems Programming, Operating Systems, C++, Java, Python, React, MongoDB, HTML/CSS, MySQL, Unix, R, Javascript, AWS, GDB, JUnit Testing, Jira, Github, Typescript

EXPERIENCE

Purdue University Honors College

Jan. 2024 - Present

Front-End Developer

West Lafayette, IN

- Designed and implemented user-friendly layouts using HTML, CSS, and JavaScript, enhancing site aesthetics and functionality.
- Optimized websites for mobile and desktop platforms, ensuring responsiveness and cross-browser compatibility.
- Maintained and updated websites for Purdue Honors College, ensuring usability and accessibility.

Cummins, Inc

Jun. 2022 - Aug. 2022

Software Engineering Intern

Indianapolis, IN

- Developed monitoring systems for existing applications, resulting in a reduction in system downtime.
- Implemented AWS CloudWatch Alarms, S3, and Lambda Functions, improving operational efficiency.
- Automated data transfer flow across departments, reducing errors and increasing data transfer speed.

The Data Mine - Merck

Aug. 2021 - Jan. 2022

Undergraduate Data Science Researcher

West Lafayette, IN

- Designed an innovative client-centric solution architecture, enhancing the final implementation efficiency
- Utilized AWS S3 and Databricks to set up the backend database for analysis, enabling data-driven decision-making.

The Data Mine - Purdue University

Aug. 2021 - May. 2022

Undergraduate Teaching Assistant

West Lafayette, IN

- Provided assistance to 600+ students in The Data Mine, delivering guidance on R, Python, Bash, Unix and SQL.

Purdue Computer Science Department

May. 2021 - Aug. 2021

Undergraduate Teaching Assistant | CS Bridge Program

West Lafayette, IN

- Mentored and guided 45+ incoming computer science students, facilitating their understanding of object-oriented programming and Java, conducting labs, office hours and workshops resulting in improved learning outcomes.

PROJECTS

Eras Tour Tracker - A tracker representing upcoming tour dates and other info for Taylor Swift's Tour.

- **Technologies:** Utilizing Geo-coded data analytics, React, Next.js frontend and OpenStreetMaps API.
- **Features:** Dynamic visual representation of tour locations, chronological data display, venue information, setlists, openers, and optimized for multi-device accessibility.

Investogram - An educational app for beginners to learn about investing using play money in the stock market.

- **Technologies:** MongoDB Backend, React, Next.js frontend.
- **Features:** Global Stocks page, transactional stats, Personal Dashboard with metrics, Leaderboard for incentives.

additional projects and code linked on portfolio website