

Aneesh Vemuri +1 (331) 226 3081 | vemuri5@purdue.edu

Experience

Undergraduate Teaching Assistant

Department of Computer Science, Purdue University | AUG 2024 – Present

- Assisting students with written homework and coding projects in CS 251 - Data Structures and Algorithms and CS 448 – Relational Database Systems.

Undergraduate Grader

Department of Mathematics, Purdue University | AUG 2023 – DEC 2023

- Graded 300 assignments a week, submitted feedback and scores, and proctored exams for two sections of the class MA 265 - Linear Algebra.

Undergraduate Researcher

The Data Mine, Purdue University | AUG 2022 – MAY 2023

- Collaborated with students and mentors from John Deere to analyze and classify the company's crop data using Python ML libraries.

Projects

Simple C Compiler | NOV 2023 – DEC 2023

- A compiler that can convert C programs of small to medium complexity to executable x86-64 assembly code using lex and yacc.

Procedural Generation of 3D Trees | NOV 2023 – DEC 2023

- A program that can generate 3D trees from a simple set of rules describing season and shape attributes with procedural modeling using C++ and OpenGL

Shell | MAR 2024 – APR 2024

- A command line shell interpreter with the functionality of csh.

Education

Purdue University, West Lafayette - B.S. Computer Science | AUG 2022 – MAY 2025

Purdue University, West Lafayette - M.S. Computer Science | AUG 2025 – MAY 2026

Minor: Mathematics

Courses: Computer Architecture, Computer Graphics, Systems Programming, Analysis of Algorithms, Artificial Intelligence, Relational Database Systems, Statistics, Abstract Algebra

GPA: 3.86. Dean's List and Semester Honors.