Alwin Rajkumar

He/Him

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UNIVERSITY OF LOUISVILLE®
J.B. SPEED SCHOOL OF ENGINEERING

EDUCATION

Bachelor of Science in Computer Science & Engineering   Expected May 2026

J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky

Hours Completed: 56
GPA: 3.3

SKILLS/COURSEWORK

Technical Skills/Relevant Coursework

- **Python**, Flask, Pygame
- C, C++
- **Java programming**
- SQL (MySQL)

- Calculus I-III
- Differential Equations
- Object-Oriented programming
- Conversational Hindi, Tamil, English

APPLIED EXPERIENCE

Course Projects:
C/C++ Developed a simple digital clock using C.
C++: Created a C++ program to sort soccer players in the MLS League using Binary Search Tree.

Personal Projects:
C++: Independently developed a fully functional Tic-Tac-Toe game in C++, showcasing problem-solving skills and fluency in C++ programming.
JAVA: Designed a robust encryption/decryption program in Java. Project can be accessed at: www.github.com/alwnraj/JavaEncryption
JAVA: Login Authentication System with JavaFX (Developed as a personal project):
- Developed a secure and user-friendly login authentication page using Java and JavaFX, showcasing proficiency in GUI development and event-driven programming.
- Integrated MySQL database to store and manage user information.
- This project can be viewed at: https://github.com/alwnraj/JavaLoginPage .

PYTHON: Utilized Pygame to create an engaging in Python, showcasing proficiency in game development and Python Programming. This project can be viewed at: https://github.com/alwnraj/pong
PYTHON: Chat Application
- Design and developed a website using Flask, Python and Socket IO, along with Some HTML, CSS, and bootstrap.
  - This project is still in development and can be viewed at: https://github.com/alwnraj/chat-app

ACTIVITIES/HONORS

- **Operations Vice President for Speed School Student Council**   July 2024 – present
- **Director of Council Infrastructure for Speed Student Council**   May 2024 – July 2024
- **Dean's Scholars List**
- **Dean's List**