

# Harpinder Singh

Philadelphia, PA | P: (267)-318-5987 | [Harpinder059@gmail.com](mailto:Harpinder059@gmail.com) | <https://github.com/HarpinderFeelsLikeCoding>

## EDUCATION

### TEMPLE UNIVERSITY

College of Science and Technology

Bachelors of Arts in Computer Science

Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics, Systems Programming & Operating Systems, Program Design & Abstraction, Software Design

Philadelphia, PA

Expected May 2025

### TEMPLE UNIVERSITY

College of Science and Technology

Bachelors of Science in Biology

Relevant Coursework: Approaches to Disease Modeling, Diagnosis and Therapy, Cell Structure and Function, Virology

Philadelphia, PA

May 2022

## TECHNICAL SKILLS

### Software:

**Languages:** Java, Python, C, JavaScript, SQL, Bash, TypeScript, HTML/CSS/Sass/TailWind

**Frameworks:** Flask, React, Redux, Bootstrap

**Tools:** PostgreSQL, Tableau, Linux, Matlab, GitHub, Google Colab, Beautiful Soup 4, PyTorch, Selenium, PlayWright, jQuery, D3.js

### Certifications & Training:

Google Data Analytics, Google;

June 2024

Google AI Essentials, Google;

June 2024

Harvard CS50x, Harvard University;

June 2024

Data Visualization, freeCodeCamp;

June 2024

Relational Database, freeCodeCamp;

June 2024

## TECHNICAL PROJECTS

### Super-Chef

December 2024

- Led a class project within a multi-week Agile development environment, utilizing modern software tools and methodologies. Designed and implemented the project using TypeScript, with database management handled through MongoDB (specifically MongoDB Atlas). Integrated multiple APIs, including the Edamam API, OpenAI API, YouTube API, to enhance functionality. Employed Clerk.js for secure user authentication. Focused on delivering a user-centered experience throughout the development process.

### Miniature Shell

March 2024

- Designed and implemented a Unix shell in C, demonstrating deep understanding of system calls, process management, and inter-process communication. The shell supports basic command execution, including built-in commands (e.g., cd, pwd, help, exit), input/output redirection, piping between commands, and running processes in the background. Implemented with features to manage up to 10 background processes, handle file redirection (<, >), and support multiple piped commands using Unix pipes and file descriptors.

### Simulated Gambling Website

November 2024

- Collaborated on an international project with business science majors from Ajman University to develop a website for sports statistics under a challenging schedule. Utilized Power BI, TypeScript, and MongoDB to create a simulated gambling platform. Designed dynamic odds calculations based on cleaned datasets sourced from Kaggle., with real-time updates displayed on the web page.

## ACTIVITIES

### Association for Computing and Machinery

Philadelphia, PA

Member

August 2023 – Present

- Participated on team-building events, networking events, and coding challenges centered around hackathons.

## WORK EXPERIENCE

### ALDI Inc.

Philadelphia, PA

Associate

June 2018-March 2024

- Streamlined inventory processing by implementing an optimized restocking schedule, enhancing customer flow by 30% and reducing aisle congestion.
- Enhanced customer service by efficiently managing and resolving an average of 20+ inquiries per day, often simultaneously, helping increase revenue by 7%.
- Achieved a 25% per hour rate increase within the first 2 years, recognized for exemplary performance through consistent high-quality work and customer satisfaction.