

# Charankamal Brar

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## Professional Summary

Passionate Computer Science student experienced in software development, machine learning, and collaborative team projects. Proficient in JavaScript, Java, Python, and React; seeking internships and entry-level opportunities in Software Engineering or ML.

## Education

University of Washington, Tacoma, Washington

Graduation: June 2025

B.S. Computer Science | GPA: 3.6

- Relevant Coursework: Data Structures, Machine Organization, Software Development, Programming Language Concepts, Design & Analysis of Algorithms, Database Systems Design, Computer Architecture, Client/Server Programming, Computer Operating Systems, Game & Simulation Development, AI & Knowledge Acquisition, Theory of Computation
- Honors & Scholarships: Dean's List (Multiple Quarters), APIA Scholar, ACCESS in STEM Scholar

## Technical Skills

- Languages: JavaScript, TypeScript, Java, Python, C, R, Erlang, HTML, CSS
- Frameworks/Libraries: React, Next.js, Node.js, Unity, PyTorch
- Tools: Git/GitHub, IntelliJ, Visual Studio, Docker, Linux, Postman, Jupyter Notebook, Anaconda
- Databases: MySQL, PostgreSQL, SQLite
- Concepts: Web Development, Game Development, Software Engineering, Artificial Intelligence & Machine Learning, Object-Oriented Design (OOD), Design Patterns, Unit Testing, UML Modeling

## Projects

Stickman - The Savior (*JavaScript, HTML5 Canvas*) | [Live link](#) | [GitHub repository](#)

- Developed a 2D beat-em-up game, creating interactive gameplay mechanics, sprite-based animations, and responsive user controls.
- Collaborated in a team of three, utilizing Agile methodologies, sprint planning, and weekly meetings to deliver the final playable product.

Library Website Front-End (*React, Next.js, REST API*) | [GitHub repository](#)

- Built an interactive web application leveraging React/Next.js to implement book viewing, searching, creation, and editing via RESTful API integration.
- Worked closely in a team of five to ensure responsive design, consistent user experience, effective pagination, and robust error handling.

Indie Arcade (*Node.js, Express, SQL*) | [GitHub repository](#)

- Engineered scalable backend infrastructure to support user accounts, game discovery, purchasing functionalities, and secure transactions.
- Collaborated effectively within the team to design and implement database schema, REST API endpoints, and seamless user interactions.

## Work Experience

Advanced Coder, Outlier AI | Remote (Asynchronous) | Sep 2024 – Present

- Developed and optimized AI models to enhance accuracy and data processing efficiency, conducting rigorous analysis and evaluations.
- Crafted detailed prompts for NLP models, significantly improving response quality and consistency in AI-generated outputs.

Security Specialist, Securitas & Amazon Corporate Security | Seattle, WA | Feb 2022 – Present

- Managed technical systems for corporate security; facilitated access control and system operations, collaborating with cross-functional teams.

Crew Trainer, McDonald's | Covington, WA | Apr 2018 – Jul 2022

- Trained and mentored new employees, enhancing overall productivity, teamwork, and customer service quality in a high-paced environment.

## Extracurricular Activities

Volunteer, Khalsa Gurmat Center | Federal Way, WA | Feb 2018 – Present

- Lead weekly Math and Punjabi classes, supporting community learning and cultural enrichment.
- Organized annual cultural events, showcasing leadership and organizational skills.