

Harshaun Khehra

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Professional Summary

Innovative software engineer with a strong track record in full-stack development, AI/ML integration, and scalable SaaS architecture. Proven ability to lead teams, design and deploy high-impact solutions that cut process times, boost performance, and deliver measurable results. Experienced in building AI-powered analytics platforms, full-stack development, API orchestration, and transforming complex concepts into efficient, user-centric products. Currently pursuing a Master's in Computer Science to advance expertise in cutting-edge AI technologies and enterprise software innovation.

Education

Master of Computer Science

University of California, Irvine

Incoming: Sept 2025

Bachelor of Science, Computer Science

California State University, Los Angeles

Graduated: May 2025

GPA: 3.9

Professional Experience

Software Engineer & Consultant | Verdant Development - Redwood City, CA May 2025 – August 2025

Next.js, React.js, Supabase, JavaScript, HTML, Tailwind CSS

- Engineered a **full-stack AI interview platform** serving **10,000+ potential users**, integrating **OpenAI GPT-4**, **Vapi AI voice technology**, and **Supabase backend** to deliver **99% uptime** with **sub-2-second response times**, reducing interview preparation time by **80% for job seekers**
- Built a **comprehensive interview management system** processing **500+ AI-generated questions daily**, featuring **real-time voice transcription (Deepgram Nova-2)**, **natural voice synthesis (PlayHT)**, and **automated feedback analysis** that provides **4-dimensional scoring** (technical skills, communication, problem-solving, experience) with **95% accuracy**
- Developed a **scalable SaaS platform** with tiered pricing (\$5-12/month), **PayPal payment integration**, and a **credit-based billing system**, supporting **5 interview types** (Technical, Behavioral, Leadership, Problem Solving, Experience) across **5 duration options** (5-60 minutes), enabling recruiters to **create customized interviews in under 3 minutes**

Software Engineer Intern | Leidos QTC Health Services - Los Angeles, CA August 2024 – May 2025

Python, Pytorch, ASP.NET Core, Angular, Azure

- Developed an AI/ML-powered Quality Management System using **PyTorch**, **Python**, and **ASP.NET Core** to analyze survey responses, generate KPI data, and visualize trends on a dashboard, enabling data-driven improvements in service quality.

Project Committee Lead - Los Angeles, CA

January 2024 – June 2024

Python, Pygame

- Led a team to organize and conduct hands-on workshops, enabling club members to develop an advanced **2D platform game** using **Python and Pygame**, increasing member proficiency in game development.
- Provided guidance during office hours, helping members **debug errors, understand concepts, and complete their projects**, leading to a **higher completion rate** and **improved participant confidence**.

Technical Skills

Programming Languages: Java, Python, C, C#, Swift, JavaScript, TypeScript, HTML, CSS, SQL

Tools & Technologies: Agile, GitHub, JIRA, Machine Learning, Azure, Linux, MySQL, MongoDB, Supabase

Frameworks & Libraries: PyTorch, TensorFlow, Spring Boot, Django, React.js, Next.js, Bootstrap, Tailwind, Tableau

Projects

Full Stack Billing System

May 2025 – Present

Java, SpringBoot, React.js, JavaScript, AWS, HTML, CSS

- Built a **secure, role-based billing system** using **Java Spring Boot** and **JWT authentication**, enabling differentiated access for 3 user types (admin, employee, customer), and supporting seamless management of over **500+ users, products, and categories**.
- Integrated PayPal Checkout with dynamic tax calculation**, reducing manual payment processing time by **90%** and enabling users to complete transactions in under **10 seconds** through an automated cart and billing system.
- Configured Amazon S3 for scalable product image storage** and **developed 15+ RESTful APIs** to manage users, transactions, and categories, resulting in a **40% improvement in load performance** and streamlined backend operations.

Full Stack Book Store Website

Jan 2024 – May 2024

Python, Django, HTML, CSS, Bootstrap

- Led a team of six developers as a Scrum leader**, overseeing the development of a **dynamic bookstore website** that enabled users to post books, add favorites, search, write reviews, rate books, and engage in discussions on a message board.
- Developed the backend using **Django** and designed the frontend with **HTML, CSS, and Bootstrap** to manage user authentication, web pages, and core features for authorized users.
- Implemented smooth user interactions and real-time updates while managing the development process, setting deadlines, and conducting weekly meetings to ensure the timely delivery of a high-quality, fully functional website.

Space Invaders Game

Feb 2024 – April 2024

Python, Django, HTML, CSS, Bootstrap

- Programmed a fully playable arcade-style game using **Python, Pygame**, sprite management, collision detection, event handling, and custom graphics and sound effects.

Additional Experience

7-Eleven Store Manager - La Canada Flintridge, CA

Feb 2024 – April 2024

- Supervised daily store operations, financial reporting, inventory procurement, and promotional coordination.