Krish Bharal

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EDUCATION

The University of Texas at Dallas Richardson, TX
Bachelor of Science in Computer Engineering August 2024 – May 2027

EXPERIENCE

Software Developer June 2025 – Aug. 2025
Diska Nulife Leander, TX

- Designed an efficient Python based webscraper using Selenium to get medical records from a client website to diagnose which device the patient should use
- Transferred thousands of patient data to Diska's databases in less than 2 hours
- Saved tens of thousands of dollars by creating a reusable data retrieval program instead of labor on data entry

PROJECTS

Personal Portfolio Website – krish544.com | *Javascript, React, Git, Vite, Tailwind CSS* June 2020 – Present

- Designed and built a fully responsive personal website using Vite, React.js, and Tailwind CSS, optimized for both desktop and mobile with automatic dark/light mode support and an engaging UI with animated elements
- Added games like a projectile-dodging mouse game with anti-cheat protection or a rock dodging game
- Implemented interactive components including a timer, To-do list, Tic-Tac-Toe(ultimate as well) game, and an Easter egg Pokémon tracker featuring all 1025 Pokémon with persistent local storage and shinies

Chipmunk – 3rd Place, Hacklahoma 2025 | *Javascript, React, TensorFlow, HTML, CSS* Feb. 2025 – Feb. 2025

- Created an AI-powered presentation tool focused on accessibility and user convenience
- Enabled slide navigation through real-time hand tracking with TensorFlow, integrated live automatic subtitles using Web Speech API, and implemented automatic session recording
- Built using React and JavaScript, the project was recognized for its innovation and user-friendly interface at Hacklahoma 2025 and won over 1000 dollars worth of prizes

Matchmaking Discord Bot – Artistry Network | *Javascript, SQL, Discord.js* July 2025 – July 2025

- Developed an automated matchmaking bot using Discord.js and SQLite to manage a real-time queue and user registration system to track active participants and their player statistics for the Leaderboard
- Designed and implemented dynamic commands for updating user data, declaring winners, and adjusting ranks
- Automatically created dueling channels, paired users, timed each match, and closed the channel

Chess Bots – Comet Robotics | *Javascript, C++, React, WebSocket* Aug. 2025 – Present

- Helped manage the backend for bots to receive the correct commands with minimal inefficiencies
- Worked on the game and timeout system to prevent collisions between pieces(bots)
- Used complex equations to calculate the fastest route and make the bots move to maximize speed

AI Video Rater | *Python, OpenCV, Flask, moviepy, OpenAI* May 2025 – June 2025

- Helped manage the backend for bots to receive the correct commands with minimal inefficiencies
- Worked on the game and timeout system to prevent collisions between pieces(bots)
- Used complex equations to calculate the fastest route and make the bots move to maximize speed

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C/C++, SQL, HTML/CSS
Frameworks & Libraries: React, Node.js, Flask, Tailwind CSS, Vite, OpenCV, TensorFlow, FastAPI, moviepy, SpeechRecognition
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, MATLAB, Eclipse, SolidWorks