Krish Bharal

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EDUCATION

Bachelor of Engineering in Computer Engineering May 2027
The University of Texas at Dallas, Richardson, TX GPA 3.92
Academic Excellence Scholarship Fall 2024 - Present
Relevant Coursework: Computer Science II, Discrete Mathematics for Computing

SKILLS

Coding Languages: Java, Python, CSS, HTML, JavaScript, C++, C#, React, Flask
General Computing: Hardware Knowledge, Database Management, Algorithms, Data Structures, AI
Additional: Microsoft Office(Word, Excel, Access, PowerPoint, Outlook), TensorFlow, Video Editing

CS PROJECTS

AI Video Rater

- Developed an automated video evaluation tool using Python and OpenCV to assess video quality based on blur detection.
- Extracted and transcribed audio to evaluate clarity, applying NLP-based heuristics to score audio quality.
- Integrated DeepSeek AI to analyze transcript content and generate an overall score with supporting feedback.
- Combined multiple weighted scores to produce a comprehensive rating system, displayed with detailed analytics and AI commentary.

Personal Portfolio Website

- Designed and built a fully responsive personal website using Vite, React.js, and Tailwind CSS, optimized for both desktop and mobile.
- Implemented interactive components including a timer, to-do list, tic-tac-toe game, and an Easter egg Pokémon tracker featuring all 1025 Pokémon with persistent local storage and shiny detection.
- Included dark/light mode support and an engaging UI with animated elements.

Chipmunk – 3rd Place, Hacklahoma 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.

Scheduler Program – Leander High School

- Collaborated with a team in the Computer Science 3 class to design and develop a scheduling web application aimed at streamlining the course request process for students and counselors.
- Utilized Django to manage backend functionality, enabling secure storage and retrieval of student preferences and course section data.
- Built a user-friendly front end using HTML and CSS to empower students with more control over their academic planning.

ORGANIZATIONS

- Association for Computing Machinery, UT Dallas August 2023 - Present
- Codeburners, UT Dallas August 2023 - Present

HOBBIES

Video Editing, Playing Pokemon, Losing at Chess, Swinging Around a Big Sword, and Baking