

# RISHI SINGHVI

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## EDUCATION

**B.S. Computer Science** | The Ohio State University, Columbus, OH

*Expected May 2028*

- Relevant Coursework: Data Structures & Algorithms, Systems Programming, Embedded Systems, Linear Algebra, Engineering Probability & Statistics, Computer Architecture
- Mount Leadership Society Scholar: competitive merit-based cohort selected from OSU student body; completed 75+ community service hours, leadership development retreats, and DEI-focused social change projects alongside faculty, staff, and alumni

## EXPERIENCE

**Owner & Co-Founder** | [FaceFrame](#) | [faceframeai.com](https://faceframeai.com)

*Jun 2025 – Present*

- Architected and built a real-time AI-powered glasses try-on tool using a MediaPipe 468-point face mesh and OpenCV rendering pipeline, achieving sub-50ms frame overlay latency on live webcam input.
- Designed and trained a custom convolutional neural network in TensorFlow/Keras to classify user face shape across 5 categories (oval, round, square, heart) from live video frames, with data augmentation for robustness across varying lighting and skin tones.
- Applied scikit-learn for facial geometry feature engineering and evaluated model performance across precision, recall, and F1 tradeoffs per face-shape class; planning ONNX export for fully client-side browser inference with zero server dependency
- Leading a cross-functional team of 5+ CS and Business students, managing sprint planning, investor pitch deck preparation, user testing, and go-to-market strategy for a live product.

**Co-Founder** | [PreFlight Startup School](#)

*Jul 2024 – Present*

- Co-founded a structured founder community providing early-stage entrepreneurs with VC access, pitch deck teardowns, 1-on-1 mentorship sessions, and business model pressure testing
- Organized and facilitated regular sessions connecting student founders with investors and operators; helped members refine pitches and validate product-market fit assumptions.

**Code Ninja Sensei** | [Code Ninjas](#)

*Jun 2021 – Mar 2023*

- Instructed 20+ students ages 5–13 in core programming concepts, objects, conditionals, loops, and debugging, through personalized 1-on-1 and small-group classroom sessions
- Adapted teaching style and pacing to each student's skill level, maintaining high engagement and consistent curriculum progression across a wide age and ability range.

## PROJECTS

**Facial Emotion Recognition System** — [Python](#) · [TensorFlow](#) · [Keras](#) · [OpenCV](#) · [MediaPipe](#) · [FER-2013](#) 2026

- Trained a deep CNN on the FER-2013 dataset (~35,000 labeled grayscale facial images across 7 emotion classes) achieving 67.75% validation accuracy — above the published FER-2013 benchmark average — using batch normalization, dropout, and ReduceLROnPlateau scheduling
- Built an end-to-end real-time inference pipeline: MediaPipe detects and crops the face region per frame, the trained model classifies emotion, and OpenCV overlays the predicted label live on the webcam feed at smooth frame rates

**ResumeIQ — AI Resume Analyzer** — [Python](#) · [Flask](#) · [Anthropic Claude API](#) · [pdfplumber](#) · [HTML/CSS/JS](#) 2026

- Designed and built a full-stack AI web application where users upload a PDF resume and receive structured feedback such as overall score, ATS compatibility score, strengths, weaknesses, missing keywords, and specific section-level suggestions, generated by the Anthropic Claude API
- Engineered a Flask REST API backend with pdfplumber for text extraction and strict JSON-format prompting to Claude; implemented robust response parsing with markdown fence stripping and error handling, paired with a polished drag-and-drop frontend with animated loading states and color-coded results

## TECHNICAL SKILLS

**AI / ML:** TensorFlow, Keras, scikit-learn, MediaPipe, OpenCV, NumPy, CNN, Transfer Learning (MobileNetV2), ONNX

**Languages:** Python, Java, JavaScript, MATLAB, C, C++

**Web & Tools:** React.js, Flask, Firebase, Android Studio, GitHub, VS Code

**Certifications:** Arduino Certified — Arduino | Java Certification — W3Schools