AMMAR KHAN

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EDUCATION

University of California, Davis — B.S., Agricultural & Environmental Technology (2026)

EXPERIENCE (SELECTED PROJECTS)

HAMI — AI Patient Intake and Scribe Tool

Boston Health AI • Clinical AI Fellow • Oct 2026–Present • Houston, TX

- Deploy HAMI, an AI patient intake and clinical scribe tool, on-site in clinics, fitting it into clinician workflows and gathering feedback.
- Turn issues from live clinical use into backend fixes and new product features.

Clinical Data and Regulatory Framework — Retinal Imaging AI

Lucenor (early-stage retinal imaging startup) • Data and Regulatory Strategy • Apr 2026–Sep 2026

- Built datasets, designed labeling protocols, and trained models for a retinal imaging AI product.
- Drafted the FDA 510(k) regulatory strategy, including predicate device analysis and a plan for future model updates.

VisionGuard — Visual-Acuity Testing Platform

Sepah Labs, Spencer Center for Vision Research (Stanford) • Developer • 2024–2025

- Led Swift development of a production-grade visual-acuity testing tool, reducing test time by 80% with only a 7% deviation versus standard methods.
- Ran the clinical trials and presented first-author results as a poster and oral presentation at ARVO 2025; partnered with clinicians to validate workflows and data outputs.
- Implemented test flows, robust data validation, and analytics; added unit tests and CI to improve reliability and streamline releases.

Clarity by CREST — Clinical Trial Data Capture App

Ocular Imaging Research and Reading Center (OIRRC) • iOS/Full-Stack Developer • 2023–2024

- Led development of an iOS data-capture app piloted across ~200 clinics for multi-site studies.
- Built forms, offline sync, and role-based access; instrumented analytics and error handling to improve data completeness and reduce site burden.
- Coordinated across API, authentication, and deployment to support scale-up with study coordinators and engineering teams.

PUBLICATIONS

- **First author:** VisionGuard: A Scalable Mobile Solution for Accurate Best Corrected Visual Acuity Testing.
- **Co-author:** Assessing ChatGPT's Performance in Delineating Uveitis: An analysis of responses to real-world case presentations.

SKILLS

Languages/Frameworks: Swift/SwiftUI, Unity/C#, Python, JavaScript, SQL

Tools: Git, CI/CD, Postman, Strapi, Azure, Unit/UI testing

Domains: MedTech/clinical software, clinical AI implementation, HCI/UX, data pipelines

Languages: English (Fluent), Urdu (Fluent), Spanish (Conversational)