

ANISH KHOT

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SUMMARY

Biomedical Engineer with **4+ years of experience** designing medical device instrumentation and implementing advancing manufacturing processes. Proven ability to translate clinical needs into engineering requirements, collaborate with leadership, and drive prototype development from concept to evaluation. Experienced in FDA regulatory strategy, IP strategy, competitive landscape analysis, and commercial viability assessment across early-stage medical technologies. Seeking to contribute to patient-centric product launches that bring safe and effective medical technologies to market.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY | Atlanta, Georgia
Master of Biomedical Innovation and Development (MBID)

Graduation Year: July 2026

CASE WESTERN RESERVE UNIVERSITY | Cleveland, Ohio

Graduation Year: May 2025

B.S.E in Biomedical Engineering, Biomechanics Track | Minor in Mechanical Design and Manufacturing

RELEVANT EXPERIENCE

HARBRIGHT VENTURES | Atlanta, Georgia

Graduate Student Consultant

September 2025 - Present

- Conducted due diligence across 3 investment opportunities in early-stage medical technology companies, performing market research, competitive analysis, and valuation modeling to inform investment decisions.
- Delivered market sizing and comparable company valuation analyses that directly influenced investor go/no-go decisions on prospective portfolio companies.
- Mentored junior analysts on regulatory coding, reimbursement frameworks, and commercialization strategy, building team capability across multiple client engagements.

PAIN CARE LABS | Atlanta, Georgia

Consultant

December 2025 - April 2026

- Led development of a vibration adapter to integrate with the company's existing injection pain mitigation devices, from concept through prototype evaluation.
- Developed CAD models and supporting design documentation that formed the technical basis for a company IP filing.
- Partnered with senior leadership to present design rationale and prototype performance data to executive stakeholders, informing IP strategy decisions.

INNOVATIVE DELTA TECHNOLOGY | Chagrin Falls, Ohio

R&D Co-op - Spine

July 2024 - December 2024

- Created 3D CAD models and 2D engineering drawings for novel spinal implant instrumentation, supporting both in-house design concepts and client engagements across external medical device companies.
- Accelerated prototype development cycles by designing testing fixtures to evaluate early-stage mechanical performance.
- Contributed foundational design and engineering work on a spinal instrumentation platform that has since spun off into an independent medical device company.

ADVANCED PLATFORM TECHNOLOGY CENTER | Cleveland, Ohio

Research Assistant

May 2022 - July 2024

- Developed protocols to transform an open-source prosthetic leg into a bidirectional neuroprosthesis, implementing a biomechanical impedance controller to replicate human musculoskeletal movement.

DESIGN PROJECTS

MBID - CAPILLARY REFILL TIME MONITOR

- Led a multidisciplinary team through early-stage development of an automated capillary refill time (CRT) monitoring device, coordinating directly with clinicians in a solid-organ transplant ICU to define clinical workflow requirements and user needs.
- Designed a novel passive air bladder & photoplethysmography (PPG) sensor architecture and built a Raspberry Pi-based hardware prototype to validate a beat-to-beat pulse wave amplitude recovery signal.
- Built Design History File (DHF) documentation including design trace matrix, design controls, manufacturing protocols, and system testing strategies, and developed FDA regulatory strategy.
- Led IP/prior-art landscape analysis to support a provisional patent filing, and built financial models projections to support business plan development for investor review.

CWRU CAPSTONE - PORTABLE UNOBTUSIVE EAR-EEG MONITOR

- Collaborated with clinicians and engineers to design a non-invasive device capable of recording continuous EEG data for patients with temporal lobe epilepsy.
- Iterated across multiple 3D-printed prototype cycles, evaluating material performance and refining design effectiveness.

SKILLS & CERTIFICATIONS

Engineering & Design Software: SOLIDWORKS, Simpleware, CAD Drafting & 2D Drawings

Programming & Data Analysis: MATLAB, Python, RStudio, Tableau

Prototyping & Fabrication: 3D Printing, Benchtop Testing, Test Fixture Design, Manual Machining

Medical Device Development & Regulatory: Design Controls, Design Trace Matrix, V & V Planning/Testing, Regulatory Strategy, IP Strategy

Certifications: Certified SOLIDWORKS Professional (CSWP), Lean Six Sigma Yellow Belt