Kunal Chugh

kunalchugh555@gmail.com | 563-213-0456 | linkedin.com/in/kunal-chugh | www.kunalchugh.me

WORK EXPERIENCE

Associate, Boston Consulting Group (BCG), Chicago, IL — January 2026 – Present

- Advising various F500 executives on corporate strategy & AI initiatives to help drive EBITDA growth and efficiency
- Architected an LLM pipeline to process 1M+ call records, extracting signals to target high-value AI agent use cases
- Authored product and technical requirements for an AI call center agent sized at $75M+ in cost & revenue impact
- Drove a 15% lift in LLM accuracy by building a quality control process to catch hallucinations and verify outputs
- Identified a 6% performance uplift by modeling call patterns across top/bottom agent quartiles to inform coaching

Founding Software Engineer, Laptis, Cambridge, MA (Remote) — August 2024 – January 2026

- Co-patented a healthcare coordination system to streamline substance abuse treatment access for 5000+ patients
- Led the initial Laptis core technology design on Google Cloud, ensuring system security and HIPAA compliance
- Boosted patient lead capture and treatment placement by 4x by replacing static voicemails with an AI voice assistant
- Accelerated data collection by 85% via deploying an AI call agent to gather bed availability at treatment centers
- Managed a team of 4 contractors to design and deploy key features for accurate patient data capture and distribution

SKILLS

Strategy & Leadership | Project Management, Market & Competitive Analysis, Executive Comms & Board Decks
Analytics & Modeling | Excel (Financial Modeling, VBA), Data Visualization (Tableau, Power BI), SQL, MATLAB
Data, AI & Cloud | Python (Pandas, PyTorch, LangChain), AI Tools (Claude Code, n8n), Cloud Infra (GCP, AWS, Azure)
Programming | Frontend (React/Next, JavaScript, HTML/CSS), Backend (Node/Express, Django, MongoDB), Git
Engineering & Design | Printed Circuit Boards (Altium), 3D Modeling (SOLIDWORKS), Embedded Systems (C++)

PART-TIME EXPERIENCE

Senior Electronics Researcher, Haselton Laboratory, Nashville, TN — May 2022 – August 2024

- Co-authored a research paper on designing a medical PCR instrument that diagnoses COVID-19 with 95% accuracy
- Developed a scalable Python application that processed genetic data 3x faster than traditional manual workflows
- Reduced control system costs by 60% through spearheading hardware and software optimizations in a medical device

Electrical Engineering Intern, Stryker, Portage, MI — May 2024 – August 2024

- Optimized and refined 3 Emergency Care products, spanning patient transportation and vital sign measurements
- Managed weekly meetings with 6 cross-functional team members on engineering updates and future project planning
- Improved non-invasive blood pressure module functionality by 25% with new sensor and microcontroller additions

Computer Engineering Intern, Medtronic, Mounds View, MN — May 2023 – August 2023

- Designed and tested 5 different next-generation pacemaker leads within the Cardiac Rhythm Management group
- Increased testing efficiency by 30% by proposing and implementing new testing procedures using LabView software
- Saved $4000 in equipment costs by repurposing old equipment to create new industrial torque testing device designs

EDUCATION

Vanderbilt University, Nashville, TN — Graduated May 2025

Cumulative GPA: 3.972, Magna Cum Laude

Bachelor of Engineering | Majors: Electrical & Computer Engineering, Biomedical Engineering | Minor: Computer Science

Chancellor's Scholar (<1% acceptance): Full-tuition merit scholarship awarded for leadership, character, and collaboration