

Rakshita Gupta

COMPUTER ENGINEER



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rakshita.me

Computer Engineering Technology student with a strong foundation in hardware design and repair, circuit design, and full-stack software development. Proven track record of developing cross-platform applications, automating complex data workflows, and leading detail-oriented technical projects. Adept at leveraging both microelectronics expertise and modern developer tools to design user-centric solutions and streamline operations.

Skills

- Product Development & Prototyping
- Circuit Design & PCB Layout
- Device Repair, Soldering & Microelectronics
- UX/UI Design & Implementation
- Web & Mobile App Development
- Software Testing & Debugging
- 3D Modeling & 3D Printing
- Video Editing & Content Creation

Languages:

Java
Python
C/C++
Swift
VBS
Dart
HTML/CSS/JS
SQL
MATLAB
SystemVerilog

Tools:

KiCad
LTSpice
Git/GitHub
VSCode
Xcode
Figma
Blender
Fusion
Adobe Suite
MS Suite

Education

PURDUE UNIVERSITY - PENDING (EXPECTED: MAY 2028)

Bachelor of Science in Computer Engineering Technology;
Minors in Psychology, Entrepreneurship, and Computer Engineering

RELEVANT COURSEWORK:

ECE 20875 - Python for Data Science	ECE 36800 - Data Structures
ECE 26400 - Advanced C Programming	ECE 27000 - Intro. to Digital Sys Design
ECE 20001 - Elec. Engr. Fundamentals	CNIT 18000 - Intro. to Systems Development

Work

LEGAL AUTOMATION CONSULTANT

Remote | Jun - Jul 2026

- Developed a Visual Basic Script (VBS) tool to automate the extraction and conversion of complex tables from HIPAA-compliant Word documents into Excel spreadsheets.
- Designed an intuitive interface enabling legal professionals to efficiently review structured data and seamlessly append company recommendations, significantly reducing manual data entry time.
- Operated under a strict NDA with a locked-down, access-restricted document that could not be shared with any external or cloud services, building and testing the entire automation locally within the client's secure environment.

UI/UX DESIGN CONTRIBUTOR

BlueBubbles (Open Source) | Remote | Jun 2020 - Aug 2023

- Contributed UI/UX design to an open-source Flutter app bringing iMessage to Android — 100K+ downloads, 4.6★ on Google Play
- Streamlined the core chat interface and helped design the app's robust theming engine, which became a headline feature.
- Worked directly with the 5-person core developer team, iterating on feedback from a 13,000+ member Discord community and GitHub beta testers.

ELECTRONICS TECHNICIAN & SALES ASSOCIATE

CPR Cell Phone Repair | Augusta, GA | Sep 2022 - Aug 2023

- Completed 200+ repairs per month across smartphones, tablets, laptops, and game consoles, consisting of screen and battery replacements, board-level soldering, and lead responsibility for software-based repairs.
- Ranked top of the shop in service speed and customer satisfaction, earning the highest tips among technicians; upsold 150+ screen protectors and 3-5 full device sales monthly.

FOUNDER

CDI Official | Augusta, GA | Nov 2014 - Jun 2023

- Founded a media production studio delivering 50+ professionally edited videos plus apps, websites, event videography, and photography that built clients' brand identities and online presence, including healthcare clients under NDA.
- Produced immersive 360°/VR simulation videos for the Augusta University Medical Simulation Center, later adapted by the department into interactive VR training apps for medical students.
- Filmed and edited clinical procedure explainers for AugustaENT patients (e.g., Ultrasound-Guided Fine-Needle Aspiration Biopsy, pediatric surgery prep), credited with measurably easing patient anxiety.

see full resume:

