

Rakshita Gupta

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PROFESSIONAL SUMMARY

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.

EDUCATION

Purdue University | West Lafayette, IN

Bachelor of Science in Computer Engineering Technology | Expected May 2028

Minors: Psychology, Entrepreneurship, and Computer Engineering

GPA: 3.30

Relevant Coursework: Python for Data Science (ECE 20875), Data Structures (ECE 36800), Advanced C Programming (ECE 26400), Introduction to Digital System Design (ECE 27000), Electrical Engineering Fundamentals I (ECE 20001), Introduction to Systems Development (CNIT 18000)

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, JavaScript, HTML/CSS, Dart, Swift, SQL, MATLAB, SystemVerilog, Visual Basic Script (VBS)

Developer Tools & Environments: Git, GitHub/GitLab, Docker, VS Code, IntelliJ IDEA, Android Studio, Xcode, Linux (Debian virtual machines), Ollama, Claude Code

Web Frameworks: Astro, Tailwind CSS, GSAP, Lenis, Bootstrap

Hardware & Design Tools: KiCad, LTspice, Figma, Blender, Fusion 360

Core Competencies: Circuit Design & PCB Layout, Soldering & Microelectronics, Device Repair, Product Development & Prototyping, Software Testing & Debugging, UX/UI Design, Web & Mobile App Development, 3D Modeling & 3D Printing

Creative & Productivity: Premiere Pro, After Effects, Final Cut Pro, Photoshop, Lightroom, Microsoft Office Suite

WORK EXPERIENCE

Legal Automation Consultant (Freelance) | Remote | Jun 2026 – 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.

Founder & Maker | CowShopCo (Etsy) | Apr 2020 – Present

- Design, 3D-print, and sell an original product catalog — jewelry, charms, and household items — modeled entirely in Blender and Fusion 360; 100+ orders shipped with a 5-star Etsy rating.
- Run the business end to end (product photography, listings, pricing, shipping, and customer service) and place products in local businesses and fairs on commission.

Summer Camp Counselor | GERI Summer Residential Camp, Purdue University | West Lafayette, IN | Jul 2025

- Directly mentored 12 gifted students (primarily 9th–12th grade girls) and managed an entire residence-hall floor at a two-week academic summer camp of 300+ campers.
- Taught daily personal and life-skills classes and served as a live-in first point of contact for conflict resolution across the camp.

UI/UX Design Contributor | BlueBubbles (Open Source) | Remote | Jun 2020 – Aug 2023

- Contributed UI/UX design to BlueBubbles, an open-source Flutter/Dart application bringing iMessage to Android, with 100K+ downloads and a 4.6-star rating on Google Play.
- Streamlined the core chat interface and helped design the app's robust theming engine — now a headline feature of the Play Store listing.
- 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 — 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.

Television & Cinema Production Intern | Augusta University TVC Lab | Augusta, GA | Aug 2022 – Jan 2023

- Supported studio instruction and recording sessions for TV production courses, including camera and set configuration and TriCaster live-production workflows.
- Managed equipment check-in/out for the TVC Lab and created digital signage for the lab's displays; contributed to a JagNews weekly broadcast segment.

Crew Member | Dairy Queen | Augusta, GA | May 2022 – Sep 2022

- Worked high-volume counter, register, and food-prep stations during peak summer service, delivering fast, courteous customer service under pressure.

TECHNICAL PROJECTS

Personal Portfolio Website | rakshita.me | Oct 2023 – Present

- Designed and built rakshita.me with Astro, Tailwind CSS, GSAP, and Lenis — scroll-driven animations, light/dark theming, and interactive easter eggs in a modern, fully responsive design.
- Deployed via GitHub Pages with custom domain routing and DNS configuration.