# ANSHUL RAMAN

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## EDUCATION

**University of Cincinnati,** Cincinnati, Ohio **Graduating: May 2030**
Bachelor of Science, Computer Science GPA: 3.68

## SKILLS

**Programming & Security Tools:** Python, C++, LabVIEW, Wireshark, Metasploit, Nmap, Aircrack-ng, Social Engineering Toolkit
**OS & Software:** Google Workspace, Microsoft Office, Adobe Suite**,** Windows 11, MacOS, Parrot OS, Kali Linux
**Interests**: Tennis, Coffee, Traveling, Hiking, Swimming, Chess

## PROJECTS

**Gradintel — Full-Stack Academic Performance Platform | Personal Project** **February 2026 – Present**
https://gradintel.anshulraman.com/
- Architected & designed a full **GPA tracking** platform end-to-end, from data models & backend logic to product features & UX flow
- Engineered core **Python** logic for GPA calculation, **grade simulation**, weighted scoring, and **at-risk course detection** while directing AI tooling to implement the frontend
- Built a multi-model **AI assistant** integrating **Gemini, Grok, Claude, and OpenAI APIs** plus a built-in model to parse syllabus PDFs, generate exam structures, and produce personalized study recommendations
- Shipped full product to **live users**: cloud sync via **Supabase**, **gamification** (XP/badges/streaks), data export, GPA card sharing, and mobile-responsive UI

**Autonomous Line-Following Robot | ENED Project** **January 2026 – February 2026**
- Collaborated in a 4-member team to design and program an **autonomous line-following** robot navigating curved black-line tracks across **six navigation zones** using functional decomposition and design specifications
- Implemented **closed-loop color-sensor** feedback to dynamically adjust motor speeds, maintaining stable line tracking during prototype testing

**Bus Booking System | Personal Project** **January 2026 – February 2026**
- **Automated seat tracking** and booking-ID generation, cutting booking conflicts by roughly 90%
- Added **persistent file-storage** logic that retained 100% of user data across sessions
- Tightened input-handling logic, leading to about a **70% drop in validation**-related crashes during testing

**RAT Development & Penetration Testing** | **Controlled Lab Environment** **June 2025 – July 2025**
- Engineered a cross-platform **Metasploit RAT** with 12+ remote functions, like surveillance, GPS, & SMS exfiltration
- Performed **post-exploitation analysis** on Android and Windows to document permission weaknesses and access-control gaps

**Wi-Fi Penetration Testing Device** | **Controlled Lab Environment** **July 2025 – August 2025**
- Engineered a portable **ESP8266MOD-based security tool** to assess 802.11 vulnerabilities
- Simulated **Evil Twin nodes** to audit 20+ device connection attempts & document credential-harvesting risks from rogue access points

## EXPERIENCE

**President, Science Club**, Sant Gyaneshwar Model School, Alipur, Delhi, India **May 2023 – March 2024**
- Led and managed school-wide science events, demonstrating leadership**,** professionalism**,** & team coordination
- Collaborated with staff & student teams to design interactive STEM activities, fostering a culture of curiosity & innovation

**Event Coordinator, Tapan Rehabilitation Centre**, Karnal, Haryana, India **December 2022 – January 2023**
- Supported children with special needs using patience, adaptability, and empathetic communication
- Coordinated an inclusion-awareness event with staff & volunteers, demonstrating leadership & community engagement

## ACTIVITIES

- **Clubs**: Tennis Club, Bearcat Tech Innovators, IEEE, AAEO, UC Robotics, AI Society
- **Sports**: Tennis, Badminton, Cricket, Soccer, Volleyball, Pickleball, Padel

## VOLUNTEER WORK

**Mary Magdalen House (Cincinnati):** Managed intake and sorted donations to provide clothing for unhoused individuals
**Bearcat Recycling:** Participated in facilitating waste sorting and sustainable disposal at 5/3 Arena following athletic events
**Epic House Service:** Hand-painted and delivered mini canvases to provide art for elderly residents

## AWARDS & HONORS

- **Dean's List** | College of Engineering and Applied Science (Since Fall 2025)
- **Gold Medal** | National-Level Science Olympiad (2023)
- **Gold Medal** | National Abacus Competition (2023)
- **Top 150 National Ranking** | All India Tennis Association (AITA) (2022)

**AVAILABLE FOR CO-OP: FALL 2026**