MOULI SURI

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EDUCATION

University of Cincinnati   **Expected graduation: May 2026**
Bachelor, Computer Engineering
- Awards: CEAS International Outreach Scholarship, UC Global Scholarship
- Campus engagement: Alpha Phi Omega and Bearcat Tech Innovators

SKILLS

- **Programming:** Python, C, C++, JavaScript, TypeScript, SQL, Bash, PIC Assembly
- **Web & Backend:** Next.js, React, Tailwind CSS, Fast API, Prisma ORM, Clerk Authentication, REST APIs
- **Tools & Platforms:** Git, GitHub, Vercel, Render, MPLAB X IDE, Arduino, Linux
- **Data & ML:** Pandas, NumPy, Machine Learning Fundamentals, Statistical Analysis
- **Systems & Concurrency:** Linux Kernel Compilation, Device Drivers, Multithreading, Mutexes & Semaphores, Reader-Writer locks
- **Embedded & Hardware:** Arduino, Timer/Interrupt Programming, Circuit Analysis, Digital I/O, A/D Converters

EXPERIENCE

Lindner IT Service Desk   **May 2024 - Present**
Student IT Worker   *University of Cincinnati*
- Responded to over 20 help desk tickets daily through ServiceNow, maintaining a 95% resolution rate
- Performed remote troubleshooting with Bomgar, diagnosing and fixing Windows and macOS issues, which restored service for users within an average of 30 minutes
- Re-imaged 100+ systems to ensure they were up-to-date, secure, and fully operational

Technology Tailor Made   **January 2024 - April 2024**
Software Intern   *Cincinnati, OH*
- Maintained server infrastructure for 50+ clients, ensuring 99% uptime by resolving network and hardware issues
- Developed two server-side applications using C++, automating repetitive administrative tasks and reducing workload by 15%

HCL Tech   **June 2023 - August 2023**
Software Intern   *Remote*
- Improved system efficiency by 20% by resolving real-world use cases in data storage and automation
- Developed scalable data infrastructure on Google Cloud Platform using Big Query, Cloud Storage, and Python, which streamlined data pipelines and improved processing speed

Predulive Innovative Labs   **May 2022 - September 2022**
Drone Engineer   *Delhi, India*
- Conducted a weeklong summer camp for 30 students in grades 3-8, teaching drone construction and operation with hands-on C programming and hardware assembly, which sparked interest in STEM and received positive feedback from participants and parents
- Designed and built 15 custom drones for agricultural projects, improving crop monitoring and productivity

STUDY ABROAD / PROJECTS

AI-Powered Goal Completion System   **December 2025**
- Developed an AI system that helps user finish long-term goals by modeling identity, future-self intent, and patterns of avoidance rather than simple task completion
- Built a memory-driven agent that tracks user goals, decisions, and behavioral history to intervene when progress stalls and dynamically adapt plans over time
- Integrated principles from psychology and behavioral systems to balance compassionate guidance with structured accountability

2024 International PBL Workshop   **August 2024**
Taipei Tech, Taiwan
- Designed and programmed a robot using Arduino to autonomously detect and pick up colored boxes
- Utilized 3D printing to fabricate custom claws and other components