# Nik Kandula

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## EDUCATION

**Auburn University** (GPA: 3.8/4.0)                                                                **Auburn, Alabama**
BS Eng  in Computer Engineering                                                                                *May 2027*
Minor in Finance

- Clubs: Ethical Hacking Club, Competitive Programming Club, VEXU Robotics, Rocketry Club

## PROFESSIONAL EXPERIENCE

**GRACE Project**                                                                       **Auburn University, Alabama**
Project Website Implementation Student Worker - HTML                                        *September 2024 - Current*

- Developed a responsive website for the Green-Reimaging of Agriculture in Controlled Environments Project. Collaborated closely with a graphic design student in the production of this project.
- Utilized HTML and Bootstrap with the Cascade CMS to increase website views by 12%.

**Mura3D**                                                                                                  **Remote**
Full Stack SWE Intern - C#, SQL, HTML, React                                            *May 2024 - September 2024*

- Developed a dynamic, responsive web e-commerce website enabling customers to browse and purchase products seamlessly using MVC architecture with ASP.Net Core, leveraging expertise in HTML, CSS, and JavaScript to create intuitive user interfaces in the MVC Views.
- Developed a robust admin portal within the website which allowed company owners to efficiently manage inventory by adding, editing, and removing products, with secure authentication and user role management ensuring only authorized personnel could access administrative functionalities.
- Integrated secure payment gateways with Apple and Google Pay and created user-friendly navigation, enhancing the overall shopping experience and resulted in a 16% increase  in sales.

**Alabama Office of Information Technology**                                              **Montgomery, Alabama**
Full Stack SWE Intern - C#, SQL, HTML, React                                               *May 2024 - August 2024*

- Developed a notification system that allowed website owners to efficiently communicate with their clients and ensure the clients are informed of updates to their claim statuses.
- Worked with Scaffolding databases and creating views for different administration portals.

**Alabama Office of Information Technology**                                              **Montgomery, Alabama**
Database Administration Intern - SQL                                                       *June 2023 - August 2023*

- Migrated criminal reports from Crystal Reports to SQL Server Reporting Service (SSRS) and created new databases for each report.
- Maintained a robust database system using MySQL, creating and optimizing multiple queries to meet client requirements efficiently.
- Utilized Power BI to present data to vendors, enabling data-driven insights for process improvement and enhancing customer communication satisfaction by 20%.

## PERSONAL PROJECTS

**Etsy Store**                                                                                  **Auburn, Alabama**
Designer and Manager                                                                                       *May 2024*

- Operate an Etsy business focused on designing custom 3D models and producing high-quality, personalized products through 3D printing.
- Ensure each item is precisely printed, carefully packaged, and promptly shipped, delivering exceptional customer satisfaction with both design and durability.

**Combat Robots**                                                                               **Auburn, Alabama**
Builder and Designer                                                                                       *May 2024*

- Designed a high-impact weapon system for the combat robot using Autodesk Inventor, optimizing for maximum damage output, durability, and efficiency in battle conditions.
- Applied principles of mathematics and physics, including force analysis, torque calculations, and energy efficiency, to optimize the robot's performance.

**ASME Student Design Competition**                                                             **Auburn, Alabama**
Designer + Coder - C++                                                                       *March 2024 - April 2024*

- Utilized Computer Aided Design Software (CAD) to engineer and fabricate (via 3D Printing) intricate parts of the robot, optimizing durability and performance and ensured that the robot was able to move through the golf course map.
- Programmed advanced control systems, including Proportional-Integral-Derivative algorithms, optimizing motor performance and precise movement, demonstrating strong proficiency in algorithm design and real-time control programming.