ENOCH OWOADE

Grambling, LA • 689-280-3920 • enochowoade@gmail.com
LinkedIn: www.linkedin.com/in/enoch-owoade/ | GitHub: www.github.com/Enochteo | Portfolio: https://enochsportfolio.netlify.app/
Aspiring Embedded Systems & AI Software Engineer |Python - C++ - Embedded Systems - Full-Stack Development - IoT Solutions

PROFESSIONAL SUMMARY

Driven engineering student with deep hands-on experience in embedded systems, full-stack web development, and AI-driven applications. Adept in Python, C++, and Django, with demonstrated success building web applications, functional IoT prototypes and machine learning tools. Proven ability to lead small dev teams, optimize system performance, and build real-world solutions.

EDUCATION

B.S. Electronics Engineering Technology,
Minor: Computer Science | GPA: 4.0 | Expected Graduation: Dec 2027
Honors: President's List (3x), Earl Lester Cole Honors College, Mathematics Honors: Alpha Lambda Delta
Relevant Coursework: Data Structures & Algorithms, Embedded C, Microcontrollers, Calculus III

TECHNICAL SKILLS & CERTIFICATES

Languages: Python, HTML/CSS, C++, Embedded C, JavaScript,
Frameworks/Tools: Flask, Django, React, REST APIs, Bootstrap, Git, SQL
Libraries: OpenCV, TensorFlow (Intro), MediaPipe, Matplotlib
Embedded Systems: Arduino, ESP32, UART/I2C/SPI, Sensors, Soldering
Other: Firebase, Agile, CI/CD, Linux CLI. Certificates: Intro to Technical Interview Prep from Codepath, Non-profit Consulting Remote Externship from Extern.

EXPERIENCE

Software Developer

GRAMBLING STATE UNIVERSITY SERVICE LEARNING OFFICE | Jan 2025 - Present
- Developed Django web app supporting 100+ users with dynamic form validation and email verification.
- Cut onboarding errors by 40% and form processing time by 30%.
- Delivered a fully documented and maintainable codebase for handoff.

Research Intern

NASA LAACES BALLOON PROGRAM | Oct 2024 - May 2025
- Programmed C-based embedded modules for GPS, temperature, and pressure sensors in high-altitude payloads.
- Boosted data accuracy by 12% and helped synthesize post-flight analytics for NASA partners and education outreach.

PROJECTS

AI-Powered Resume Analyzer — OpenCV, Flask, NLP, Plotly, OpenAI

- Built a tool that analyzes resumes for ATS compatibility, generating keyword heatmaps and tailored feedback.
- Improved users' job match rates by 40% through guided revisions.
- Deployed on render.com and used by over 50 users.

Smart Attendance System — OpenCV, Flask, Face Recognition

- Developed a real-time facial recognition app with blink-detection anti-spoofing.
- Automated CSV report generation and achieved 95% tracking accuracy.

Solar Panel Tracking System — Arduino, Servo Motors, LDRs

- Engineered a servo-based solar tracker with real-time LDR input calibration.
- Increased solar panel energy efficiency by 22% by optimizing angular alignment.
- Demoed at HackPrinceton 2024.

LEADERSHIP & OTHER ACTIVITIES

- Academic Coach - Tutored 20+ students in physics and circuits; average GPA uplift of 1.0.
- TMCF Citi HBCU Tech Scholar - Top 2% of national applicants.
- NSBE Member - Active contributor to mentorship & outreach events.
- Hackathon Competitor - Hack Princeton, NOTION Hackathon, campus contests.
- CodePath Scholar - Completed 50+ advanced DSA problems.