Anthony Paredes-Bautista

773-610-4769 | anthonyparedesb0@gmail.com | linkedin.com/in/anthonypb | github.com/Anthony-PB | portfolio

EDUCATION

Cornell University - College Of Engineering Ithaca, NY
Bachelor of Science in Computer Science, Minor in Artificial Intelligence *Expected Graduation Date:* **May 2027**
- Intro CS: Design & Development, Object-Oriented Programming and Data Structures, Intro to Android Development, Foundations of AI Reasoning and Decision-Making, Introduction to Analysis of Algorithms, Embedded Systems, Intro to Machine Learning, Data Structures and Functional Programming

TECHNICAL SKILLS

Languages:	Python, Java, JavaScript, TypeScript, HTML/CSS, Assembly, Kotlin, C, Rust
Frameworks & Libraries:	React.js, Django, Express.js, JUnit, NumPy, Pandas
Tools & Platforms:	Node.js, MongoDB, Docker, Git

PROJECTS

FeedStream - News Aggregator Platform *Django, React.js, MongoDB, Next.js* September 2025
- Co-led team of **4** to architect full-stack news aggregator with Django REST API, MongoDB backend, and Next.js frontend, implementing RSS parsing from **10+** sources, token authentication, and bookmark management.
- Built responsive UI with dynamic filtering, custom-styled source cards using Tailwind CSS, and integrated feedparser library for real-time article aggregation.
- Designed extensible architecture supporting planned AI features including content recommendations and audio article summaries. (**BigRed//Hacks 2025**)

Human Protein Atlas Classification *Numpy, Python, Tensorflow, Pandas* January 2025
- Built a machine learning pipeline to classify protein microscopy images using data from the Human Protein Atlas.
- Preprocessed multi-channel images with custom one-hot encoding and trained a convolutional neural network using TensorFlow, optimizing data pipelines with `tf.data`.
- Evaluated model performance via validation accuracy, achieving **95.72%**.

Book Tracker *MongoDB, Express.js, React.js, Node.js* September 2024
- Enabled streamlined book, author, and genre management, measured by prototype tests showing **30%** faster task completion, by developing a modular React front-end.
- Validated reliable **CRUD** functionality through unit and integration tests by designing and iterating Express.js APIs with **MongoDB** schemas.

Android Multi-Service App *Kotlin, Jetpack Compose, Hilt* April 2024
- Unified platform streamlining campus life by combining key student services into one app.
- Enhanced efficiency by integrating features such as Study Buddy, Dining options, and campus utilities.
- Led a team of **5**: 3 Front-End and 2 Back-End.

Prakriti: Feeding the Future *Arduino, React, JavaScript, HTML, CSS, Netlify* February 2024
- Developed software modules and deployed the website for Prakriti, a prototype IoT solution to curb rice crop burning in India (responsible for 86 million tonnes of CO_2 emissions annually).
- Collaborated on design and development, helping secure a **$3,000** award at the Cornell Digital Ag Hackathon for our team of **6**.

CAMPUS INVOLVEMENTS

- Cornell Cybersecurity Club (Main Club): Active member preparing for competitions.
- BrawlStars Club: Member participating in community events and collaborative gaming sessions. (Legendary 1 Rank)
- Fitness Enthusiast(Cornell Barbell Club): Regularly work out to maintain health and challenge personal fitness goals.

COURSES

- CYB101 — Intro to Cybersecurity (CodePath Spring 2025)
- CYB102 — Intermediate Cybersecurity (CodePath Summer 2025)
- TIP102 — Intermediate Technical Interview Prep (CodePath Fall 2025)