JULIAN SEBASTIAN A. CADENAS

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Experience

Spiralytics Inc. – Digital Marketing Agency
Full Stack Developer Intern (Remote)   *January 2025 – Present*
- Maintained and improved web applications by identifying and resolving bugs using **Laravel, Vue.js, and React.js**.
- **Refactored a high-traffic webpage**, optimizing database queries and improving **query time by 60%**, enhancing performance and user experience.
- Contributed to the **development and integration** of new web application features using **Laravel**.

ICARE - iTamaraw Center for Academic Resources and Enrichment
Student Assistant   *January 2022 – December 2024*
- Rendered **108 hours** of service every trimester as part of the **FEU Tech Elite Scholarship** Requirement.
- Assisted and tutored students with academic concerns and faculty consultations.
- Helped professors prepare enhancement classes and learning materials.

Projects

PoultryGuard (Thesis) | [Github](#)   **Python, Flask, NumPy, OpenCV, Arduino**
- Developed a **Flask** web server for real-time chicken monitoring.
- Fine-tuned a **YOLOv8n** model for detection and integrated a thermal camera using **NumPy** and **OpenCV**.
- Automated microcontroller control via **Arduino IoT Cloud**.

Reddit-Summarize | [GIthub](#) | [HuggingFace](#)   **Python, Transformers, Pandas, Matplotlib**
- Fine-tuned the **Facebook BART-Large-CNN** model on a custom **Reddit dataset** for improved text summarization.
- Processed data using **Hugging Face Transformers** and evaluated performance with **ROUGE, BERTScore, and METEOR**.
- Published on Hugging Face, with **over 100 downloads** and growing.

iCARE Website | [Github](#) | [Link](#)   **MongoDB, Express.js, React.js, Node.js, Tailwind CSS**
- Developed the **iCARE** platform, FEU Tech's department for booking consultations and tutorials with professors.
- Built using a **React.js** and **Tailwind CSS** frontend and a **Node.js**, **Express.js** and **MongoDB** backend.

Education

Far Eastern University – Institute of Technology   *Expected Graduation: October 2025*
BS Computer Engineering
- FEU Tech Elite Scholarship
- CHED STUFAPS Scholarship

Skills

Languages: Python, JavaScript, C++, Java, HTML, CSS, PHP
Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Flask, Tailwind CSS, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib
Technologies & Tools: mySQL/SQLite, MongoDB, Firebase, Bash, Git, Github, Amazon Web Services (AWS)

Certificates & Training

- IT Specialist - Python
- IT Specialist - Java
- IT Specialist - Networking
- CyberOps Associate - Cisco
- AWS Academy Graduate - AWS
- Applied Data Science with Python level 2 – IBM
- Python for Data Science - IBM
- Data Analysis Using Python – IBM
- Data Visualization Using Python - IBM
- Big Data Foundations Level 2 – IBM

Awards

- Overall Top 11 in Computer Engineering SY21-22
- Overall Top 2 in Computer Engineering SY23-24
- 3rd Term SY2324 Dean's Lister (Silver)
- 2nd Term SY2122 Dean's Lister (Silver)
- CPE Challenge 2023 Java Programming Champion
- MRSP Regional IOT Skills Competition Champion
- DICT Philippine Startup Challenge 2024 2nd Place
- 2nd Place in 2024 Hooked Unitour Hackathon
- Top 5 Finalist Software Solutions: Synergy Hackathon