Jean Carlo Almario Dimate

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EDUCATION

Texas Tech University, Lubbock, Texas   *May 2027*
Bachelor of Science in Computer Science   GPA 3.9
Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Object-Oriented Programming.

TECHNICAL SKILLS

- **Languages**: Python, Java, C++, C, JavaScript/TypeScript
- **Web**: HTML, CSS, Angular, React/Next.js, Node.js/Express, RESTful APIs, JWT Auth
- **Databases**: MongoDB, SQL (basic), Mongoose
- **Tools/Platforms**: Git/GitHub, Linux, Docker (basic), Postman, CI/CD (GitHub Actions), AWS (EC2/S3 – basic)

EXPERIENCE

Health Safety & Environment, Bogota, Colombia   *May 2024 - July 2024*
Web developer Intern
- Developed frontend features for the company's landing page using Angular, and CSS, enhancing responsiveness.
- Built a backend module in Node.js/Express to automate PDF data extraction and export to formatted Excel files, reducing manual reporting time.
- Collaborated with a team of 4+ using Git, code reviews, and agile practices to deliver production-ready features.

PERSONAL PROJECTS

Full-Stack E-Commerce (deployed, +20 real sales)   *January 2025 - present*
MEAN stack · JWT · Role-based access · Payments · Orders · Cart · Deployment
- Built and deployed a production e-commerce app with role-based access, JWT authentication.
- Designed a RESTful API for product/user CRUD, cart, and orders with auth middleware and input validation.
- Implemented admin dashboard, and customer features (search, filters) backed by MongoDB with indexed queries.
- Achieved 20+ completed sales on the live site; optimized frontend bundle and API caching to improve page load.

Texas Tech Student–Professor Platform (CodePath Dev Team)   *May 2025 - present*
Next.js · Node.js/Express · Socket/Realtime (planned) · Team project (TTU use-case)
- Building a full-stack web app to improve student–professor communication (live attendance, Q&A, interactive quizzes).
- Developing modular Next.js UI with API routes and Node.js services for sessions, messaging, and quiz state.
- Writing unit tests and CI/CD workflows (GitHub Actions) to ensure reliability and maintainability.

Wine Quality Prediction (Machine Learning)   *December 2023 – January 2024*
Python · NumPy · Pandas · Matplotlib/Seaborn · (Eval with scikit-learn metrics)
- Implemented logistic regression from scratch with gradient descent to classify wine quality using chemical features.
- Performed EDA, normalization, and train/test split; reported accuracy, precision, recall, F1, and confusion matrix.
- Evaluated the model with scikit-learn, achieving 76% accuracy, 78% precision, and 0.77 F1-score on the test set.

LEADERSHIP & INVOLVEMENT

Society of Hispanic Professional Engineers
Mentor   *January 2025 - present*
- Mentored freshmen/sophomore Computer Science students in DSA, OOP, and career planning.
- Organized study nights and technical workshops to support peer learning.

CodePath Student Organization
Development Team   *January 2025 - present*
- Participated in design reviews, agile sprints, and hackathons to deliver team projects.
- Contributed features and peer code reviews using Git workflow and issue tracking tools.