Darius Ardales

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EDUCATION

De La Salle University　　　　　　　　　　　　　　　　　Manila, Philippines
Bachelor of Science in Computer Science,　　　　　　　　*Aug. 2020 – Aug. 2025*
Major in Software Technology, Minor in Data Science

EXPERIENCE

Software Engineer Intern　　　　　　　　　　　　　　　　Jun 2024 – Aug 2024
Thinking Machines Data Science, Inc.　　　　　　　　　*Taguig, NCR, Philippines*
- Led a project from design to presentation, taking full ownership of its development
- Built a web app from the ground up using modern frameworks like Next.js and shadcn/ui
- Enhanced office space utilization and projected 60% cost reduction with a web app alternative to HotDesk
- Maintained clean, efficient coding practices throughout development
- Leveraged Git, Jira, and GCP for version control, project management, and cloud services

Full Stack Developer - Part-time　　　　　　　　　　　May 2024 – Aug 2024
Ratio　　　　　　　　　　　　　　　　　　　　　　*Toronto, ON, Canada*
- Developed various frontend pages from Figma designs using React Native and Tailwind
- Optimized data processing in the Express and MongoDB backend

PROJECTS

Klima Insights | *Plotly Dash, HTML/CSS*　　　　　　　Mar 2024 – Apr 2024
- Implemented an application illustrating the impacts of global warming in the Philippines
- Utilized Pandas, NumPy, Matplotlib, and Seaborn for exploratory data analysis
- Leveraged GeoPandas and Mapbox for interactive geospatial visualizations

MultiVault | *React, Tailwind, Bootstrap, Firebase*　　　　Feb 2024 – Mar 2024
- Crafted a web application as a user-friendly inventory management system
- Integrated Firebase for the backend, Bootstrap for the user interface, and EmailJS for notifications

Sentimetry | *React, Tailwind, FastAPI, Firebase*　　　　　Feb 2024 – Mar 2024
- Created a web application for emotional wellness, integrating Tailwind for UI
- Built models for emotion classification using TensorFlow, Keras, and scikit-learn
- Utilized HuggingFace transformers and deployed the backend through FastAPI and HuggingFace Spaces
- Paper accepted at IEEE International Conference on Future Machine Learning and Data Science (FMLDS 2024)

CatChow | *Java, Firebase*　　　　　　　　　　　　　Oct 2023 – Dec 2023
- Developed a Java-based food delivery Android application with Firebase integration

SBNC Sales Tracker | *React, Express, MongoDB*　　　　Sep 2023 – Dec 2023
- Developed a MERN stack web application with sales tracking and role-based access
- Implemented Passport.js for authentication and Nodemailer for email functionality
- Utilized ExcelJS for recording transactions, deployed backend as REST API on Render

Binary Multiplier | *Javascript, HTML/CSS*　　　　　　　Mar 2023 – Apr 2023
- Created a web application showcasing binary number multiplication methods

Gacha Simulator | *Java, Java Swing*　　　　　　　　　Mar 2021 – Jun 2021
- Created a Java-based Gacha game using OOP principles and Java Swing for the UI

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS, SQL, Java
Frameworks: React, Next.js, React Native, Express, FastAPI, Node, Tailwind, Bootstrap
Databases: Firebase, MongoDB, MySQL, PostgreSQL
Artificial Intelligence: Hugging Face, scikit-learn, PyTorch, TensorFlow
Developer Tools: GitHub, Git, Jira, Figma, GCP, Postman, Docker, Jupyter