



## MARINELLE A. TORRANO

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**GitHub:** <https://github.com/emptiv>

### OBJECTIVE

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Computer Science student with experience in Android development (React Native), AI/ML (CNNs), and data visualization, seeking an internship to apply technical and analytical skills in solving real-world problems.

### EDUCATION

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<b>UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA - MOLINO</b> <i>Bachelor of Science in Computer Science with Specialization in Data Science</i>	<b>Bacoar, Cavite</b> <b>2023 – PRESENT</b>
<b>IMUS INSTITUTE OF SCIENCE AND TECHNOLOGY</b> <i>Bachelor of Science in Accountancy</i>	<b>Imus, Cavite</b> <b>2022 – 2023</b>
<b>STI COLLEGE – LAS PIÑAS</b> <i>Science, Technology, Engineering, and Mathematics</i>	<b>Las Piñas, Metro Manila</b> <b>2019 – 2021</b>

### TECHNICAL SKILLS

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- **Programming Languages:** TypeScript, Python
- **Data Analysis & Visualization:** Microsoft Excel, Altair AI Studio, Power BI
- **Frameworks & Databases:** React Native, FastAPI, NoSQL
- **Machine Learning:** TensorFlow Keras
- **Tools & Platforms:** GitHub, Microsoft SharePoint

### PROJECTS

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<b>Full-Stack Android Mobile Application for Learning Baybayin (Thesis Project)</b>	<b>2025</b>
<ul style="list-style-type: none"><li>• Independently developed the AI-powered mobile application's frontend, backend, and core features using React Native, Clerk Authentication, and Convex DB (NoSQL), while collaborating with a partner on UI design.</li><li>• Implemented real-time database operations, API endpoints, and AI model integration.</li></ul>	
<b>Baybayin Handwriting Classification Model (Thesis Project)</b>	<b>2025</b>
<ul style="list-style-type: none"><li>• Built a convolutional neural network from a reference model capable of classifying handwritten Baybayin characters, with usable performance under real testing conditions.</li><li>• Trained and evaluated the model using TensorFlow Keras, NumPy, scikit-learn, and Jupyter Notebook.</li></ul>	
<b>Customer Sentiment Analysis for Mobile Phone Reviews (Group Project)</b>	<b>2024</b>
<ul style="list-style-type: none"><li>• Cleaned and analyzed mobile phone reviews using Microsoft Excel, Power BI, and Altair AI Studio.</li><li>• Coordinated with team members on data preparation, analysis workflow, and presentation materials.</li></ul>	

### COURSES AND CERTIFICATIONS

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#### Create Digital Content, Communicate and Collaborate Online (2025)

- Learned practical skills in file management and digital collaboration for remote and hybrid work settings.

#### IT Specialist - Python (2024)

- Demonstrated foundational Python proficiency, including recognizing, writing, and debugging code to solve problems logically.

#### IC3 GS6 Level 1 Certification (2024)

- Demonstrated basic digital skills, online collaboration, document creation, information evaluation, and safe digital practices.

#### Microsoft Digital Literacy (2021)

- Learned basic skills to use Microsoft products, including Word, Excel, PowerPoint, and Outlook.