

MICHAEL JOSEPH SANTOS

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Creative and innovative with skills in Figma, Python, Generative AI, React and Git. Proficient in creating cross-browser websites applications using Python and React while leveraging the power of generative AI to enhance use experiences, personalize content, and automate tasks. Strong collaborator with excellent problem-solving abilities, delivering high-quality code and driving innovation in web app development.

Top Skills

- **UI/UX** – Proficient in Figma, design aesthetically pleasing user interface and create interactive prototypes ensuring positive user experience.
- **React.js** – Develop and maintain refined React.js application prioritizing user experience and code maintainability for engaging frontend solutions.
- **Python** – Skilled in developing backend solutions, with expertise in building REST APIs, integrating AI/ML and ensuring security in all web applications.
- **Git** – Skilled in using Git for version control, enabling collaboration and seamless code management within development workflows.

Work Experience

SEVI: Automated Chatbot for Cavite State University – Main Campus (Capstone Project)

Full stack Developer

February – December 2024

- Developed and deployed "SEVI," an automated chatbot for Cavite State University – Main Campus, designed to provide students with quick and accurate access to academic information.
- Utilized a RAG architecture to enable the chatbot to retrieve and process information from various university sources.
- Designed and prototyped the chatbot interface using Figma, ensuring a user-friendly and intuitive experience.
- Developed the frontend using React.js, focusing on creating a responsive and engaging user interface.
- Built a robust backend using Flask and Python, integrating GoogleAuth for user authentication and leveraging the Gemini LLM API for natural language understanding and response generation.
- Implemented robust security measures within the application to protect user data and ensure the system's integrity.
- Deployed the chatbot to Azure for accessibility and scalability.

Organization

AWS Learning Club – Spade, 2024 – Present

Education

Bachelor of Science in Information Technology, 2021 – Present

Cavite State University – Don Severino Delas Alas Campus, Indang Cavite