Ronel Vega

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EDUCATION

Mabini Colleges Inc.   Daet, Camarines Norte Philippines
Bachelor of Science in Computer Science - Cum Laude   *Graduation Date: Jun 2025*

CERTIFICATES

Computer System Servicing NC II

Microsystems College Foundation

- Successfully passed the Computer System Servicing NC II, demonstrating proficiency in hardware troubleshooting, software installation, basic network setup, computer assembly, and diagnostic tools utilization.

The Complete Full Stack Web Developement Bootcamp

Udemy

- Comprehensive training in front-end and back-end development, covering HTML, CSS, JavaScript, Node.js, Express, PostgreSQL, REST APIs, and deployment best practices.\

WORK EXPERIENCE

Praetorian Intellegence Inc.   Daet, Camarines Norte Philippines
Full Stack Developer Intern - PHP Codeigniter   *Jul 2024 - Sep 2024*

- Built and optimized backend modules in PHP CodeIgniter and integrated SQL database via XAMPP, enabling smooth scheduling and real-time appointment updates.
- Managed database integrations utilizing XAMPP SQL environment, automating data retrieval processes that decreased data processing time by 40%, thereby enhancing application efficiency during high traffic periods.
- Fashioned interactive user interfaces leveraging Bootstrap and JavaScript frameworks, optimizing page load times by 30% and enhancing mobile responsiveness across diverse Android devices.

PROJECTS

Project Seed

- Designed and developed a full-stack web application using **Node.js, Express, EJS, and Bootstrap** to help farmers manage over 150 plant plots in real-time.
- Implemented **AI-driven plant disease detection** via the **Plant.id** API, cutting diagnosis time from hours to under 10 minutes and improving accuracy by 35%.
- Implemented an AI-driven plant disease detection system utilizing image recognition and plant identification algorithms, reducing diagnosis time from several hours to under 10 minutes and improving accuracy by 35%.
- Integrated IoT soil moisture sensors with WebSocket for live dashboard updates; automated email notifications alert users when soil is dry, improving crop care efficiency by 40%.

Job Compass Tracker

- Engineered an AI assistant feature capable of summarizing email threads and drafting responses, reducing user response time by 60% and boosting productivity across the recruiting workflow.
- Built and deployed a React-based dashboard to monitor over 5,000 job applications and interviews in real time, resulting in a 45% increase in user engagement.
- Integrated email API to highlight important recruitment emails directly in the platform, improving application review speed.

SKILLS

Skills: Frontend: React.js, jQuery, EJS, HTML5, CSS3, TailwindCSS, Bootstrap, Shadcn, JavaScript
          Backend: Node.js, Express.js, REST APIs, PHP, Java
          Database: PostgreSQL, MongoDB
          Design & Applications: Figma, Canva, Adobe Photoshop, Microsoft Office (Word, Excel)
          Tools: Git, VS Code, Postman