

# Peter Sylvan Vecina

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## PROFILE

Enthusiastic Computer Science student with a solid grasp of programming fundamentals and a growing skill set in web development and data analytics. Have experience working with Django, building small projects, and exploring React.js, Node.js, Next.js, Nest.js, and Express.js. Familiar with data cleaning and analytics using Python, continuously improving in backend and frontend development. Passionate about learning new technologies and solving problems through code.

## EDUCATION

**Cebu Institute of Technology - University**

**Cebu City**

*Bachelor of Computer Science*

## PROJECT EXPERIENCE

### **GitJob** | *Python, MySQL, Django, Tailwind*

- LinkedIn-like platform developed with Django and PostgreSQL as a job platform with role-based access for job seekers and business managers.
- Added real-time chat with Django Channels and dynamic UI updates using HTMX.
- Designed a clean responsive Tailwind CSS UI for friendly and interactive features.

### **TreeTrace** | *Typescript, Next.js, Nest.js, MongoDB, BalkanJS*

- Developed TreeTrace, an innovative family tree and health tracking platform that leverages AI to provide intelligent insights into hereditary health patterns and family connections
- Implemented real-time relationship updates and dynamic tree visualization using Balkan JS library.
- Designed and implemented a modern, responsive UI with animated transitions and interactive elements using Next.js, Framer Motion, and Tailwind CSS.

### **ManageIt** | *Typescript, Next.js, Nest.js, Docker, MongoDB*

- Developed a full-stack web application with Nest.js serving a REST API with Next.js as the frontend
- Deployed the project with Vercel for the client side and Railway for the server side.
- Currently serving 20+ active users using the app.

### **Food Detective 3000** | *Python, Flask, Tensorflow, PyTorch, ResNET50*

- Developed a web application that accurately classifies 35+ food items using ResNet50 architecture, implementing model quantization for efficient deployment.
- Architected a responsive Flask backend that processes real-time image URLs, implementing robust error handling and secure HTTP requests to ensure reliable image processing and classification.
- Created a user-friendly interface for instant food classification, supporting diverse cuisines from fast food to international dishes.

### **Exiled** | *Java, LibGDX, MySQL*

- Developed a top-down shooter game using Java and LibGDX framework.
- Integrated MySQL database for player data and game state management.

## TECHNICAL SKILL

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**Languages:** Java, Python, C/C++, SQL (Postgres/MySQL), Javascript, Typescript, HTML/CSS, PHP

**Frameworks:** React, Node.js, Nest.js, Next.js, Django, Express.js

**Tools:** Git, GitHub, Docker, Insomnia, VS Code, Visual Studio, IntelliJ, PyCharm

**Libraries:** TensorFlow, PyTorch, Keras, Matplotlib, pandas, Numpy, Tailwind

## CERTIFICATES

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June 2023 CS50's Introduction to Programming with Python

April 2025 ITPEC Fundamental Information Technology Engineers (FE) Certification Exam