

## Dean Harley L. Pal

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**Aspiring web and backend developer** learning Python and Django through personal projects. Currently in a full-stack bootcamp focused on frontend (HTML, CSS, JavaScript) and progressing to backend tools like Node.js and MongoDB. Building a solid foundation in web development with a backend focus.

<b>ONLINE LEARNING JOURNEY</b>	<p><b>CS50x: Introduction to Computer Science – Harvard / edX (Ongoing)</b></p> <ul style="list-style-type: none"><li>○ Gained a strong foundation in programming (C, Python), algorithms, data structures, memory management, and web development</li></ul> <p>Practicing problem-solving and full-stack principles through a final project (Personalized News API)</p> <p><b>Uplift Full-Stack Web Development Bootcamp – Uplift Code Camp (Ongoing)</b></p> <ul style="list-style-type: none"><li>○ Currently completing frontend development (HTML, CSS); upcoming modules include JavaScript, APIs, databases, and backend</li></ul> <p>Building web projects to strengthen understanding of full-stack development</p>
<b>EDUCATION</b>	<p><b>Bachelor of Science in Computer Science – Aug 2022 – Dec 2023</b> <b>Our Lady of Fatima University</b>   GPA: 1.50</p> <ul style="list-style-type: none"><li>○ Served as the 1<sup>st</sup> Year &amp; 2<sup>nd</sup> Year Representative for E-CODES (Encrypted Computer Science, Office Management, and Data Encoder Safety), demonstrating leadership and advocacy in fostering an environment of excellence within the organization.</li></ul> <p><b>Bachelor of Science in Computer Science – Aug 2019 – Dec 2020</b> <b>St. Louis College Valenzuela</b>   GPA: 1.50</p> <ul style="list-style-type: none"><li>○ Participated as a dedicated committee member in the marketing division during the organizational fair, contributing valuable technical assistance to enhance event operations.</li></ul>
<b>AWARDS &amp; ACHIEVEMENTS</b>	<p><b>St. Louis College Valenzuela – (Dec 2019)</b> <b>Best Short Film - Short Film Competition</b></p> <ul style="list-style-type: none"><li>○ Awarded as top 1 out of 4 groups in a departmental film competition as the technical editor. Played a key role in the project's success with a focus on editing, and storytelling.</li></ul>
<b>PROJECT &amp; RESEARCH</b>	<p><b>Personalized News Feed API – Personal Project / CS50 Final Project (Ongoing)</b></p> <ul style="list-style-type: none"><li>○ I'm developing a personalized news API using Django REST Framework. I'm currently working on serializers to format and manage how data is returned through the API. The goal is to fetch real-time news from NewsAPI.org, or Mediastack to implement user-specific filtering, and provide secure JWT-based authentication. I'm also planning to integrate Celery and Redis for background task handling, with future features like Elasticsearch for advanced search or Django's SearchVector.</li></ul> <p><b>PARKWISE: Smart Parking Management System (September 2023)</b></p> <ul style="list-style-type: none"><li>○ Research paper prepared on Smart Parking Management System to address traffic congestion. Designed an application with object detection for efficient vehicle arrival and departure management. Implemented key features for seamless vehicle reservation, contributing to improved traffic flow.</li></ul>
<b>SKILLS</b>	<ul style="list-style-type: none"><li>➤ Web development: HTML, CSS, JavaScript (via CS50)</li><li>➤ Backend development: Python, Django, SQL, Django REST Framework</li><li>➤ API development: RESTful API, JWT authentication, PostgreSQL</li><li>➤ CS fundamentals: algorithms, data structures, C, memory management</li><li>➤ Tools: Github/Gitlab, pytest, Flask, Bootstrap, Redis</li><li>➤ Platforms: Windows &amp; Linux; Git/GitHub for version control</li><li>➤ Editing: Basic video/photo editing skills</li><li>➤ Soft skills: Time management, adaptability, organization, data entry</li></ul>
<b>INTEREST</b>	<ul style="list-style-type: none"><li>○ Continuous learning enthusiast about staying updated on the latest tools and technologies. Organization and Productivity interested in optimizing workflows to improve overall productivity.</li><li>○ Into Arts (Music, Paintings, Film, Photography) and Historical geography</li></ul>