Karteikay (Karty) Dhuper

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EDUCATION

Purdue University - West Lafayette, IN   Aug. 2020 - **May 2024**

<u>Major:</u> Bachelor of Science, Computer and Information Technology (Software Engineering Focus)
<u>Minor:</u> Art and Design (Electronic & Time-Based Art Focus)
<u>Honors/Awards:</u> Dean's List (All semesters), Alpha Lambda Delta and Phi Eta Sigma Honor Society Inductee   **GPA: 3.9 / 4.0**

Relevant Coursework & Topics

Object-Oriented Application Development (Java), Software Development Concepts (Python), Systems Programming (C), Computer Architecture, Database Programming (PL/SQL), System Analysis and Design Methods, Design Thinking in Technology, iOS App Development (Swift/UI), Data Structures and Algorithms, Cybersecurity Fundamentals, Applied Machine Learning (Python)

EXPERIENCE

Software Engineer Intern   **May 2023 - Aug. 2023**
ConcertAI   *Plymouth Meeting, PA*
- Redesigned and rearchitected a mission-critical internal tool from the ground up using ASP.NET Core, transitioning from VB.NET to modern technologies to facilitate long-term support.
- Engaged in full-stack Software Engineering and UX Design responsibilities, translating original UI mock-ups designed on Figma into dynamic front-end interfaces using Bootstrap, HTML, CSS, Javascript, and Razor Views.
- Developed back-end functionalities using C#, SQL, and Entity Framework Core to enable interaction between front-end and database, ensuring data integrity and retrieval.

Freelance Full-Stack Web Developer   **Sep. 2022 - May 2023**
Latino Center For Wellness and Education   *West Lafayette, IN*
- Engaged in full-stack web development using the MERN stack to re-engineer existing LCWE website from the ground up.
- Designed and built a more streamlined 'Contact Us' page adhering to Human Centered Design principles that significantly reduced the time taken to request information by 50%.
- Implemented a site-wide navigation bar that facilitated internationalization by toggling between English and Spanish.

PROJECTS

LetsMeetApp - Virtual Meeting Planner (Java + Swing/AWT + GoogleMaps API + Chrome API + HTML)
- Built a full-stack meeting planner app that consolidated all the core functionality required when meeting with a team.
- Features: Common meeting time scheduling, Chat functionality, GoogleMaps and Zoom integration for meeting location.

Personal Website (HTML5 + CSS3 + JavaScript + Bootstrap)
- Designed and developed a portfolio website for myself from the ground up. Link: **https://www.kartydhpr.com**
- Utilized coding principles that maximized efficiency alongside design principles that made the user experience enjoyable.

SKILLS

Languages: English (Fluent), Mandarin Chinese (Fluent), Hindi (Fluent), Spanish (Beginner)
Programming/Concepts: Python, Java, C, C#, HTML5, CSS3, Javascript, Typescript, MERN stack (MongoDB, Express.js, React.js, Node.js), .NET Stack, Swift(+UI), UNIX/Linux, API, Networking, Cloud Computing, PL/SQL, Git/Github, UI Wire-framing
Software: IntelliJ IDEA, Xcode, Visual Studio, SQL Developer, Unreal Engine 5, SPSS, MS Office, Adobe Suite, Figma