

Karteikay (Karty) Dhuper

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EDUCATION

Purdue University - West Lafayette, IN

Aug. 2020 - May 2024

Major: Bachelor of Science, Computer and Information Technology

Minor: Art and Design, Specialization in Electronic & Time-Based Art

Honors/Awards: Dean's List (All semesters), Alpha Lambda Delta and Phi Eta Sigma Honor Society Inductee

GPA: 3.93 / 4.0

Relevant Coursework & Topics

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

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), Swift(+UI), UNIX/Linux, C#, MVVM Architecture (Model-View-ViewModel), PL/SQL, Git/Github

Software: IntelliJ IDEA, Xcode, Visual Studio Code, SQL Developer, Unreal Engine 5, Xamarin, SPSS, Office 365, Adobe Suite

PROJECTS

Portfolio 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.

Clove - Weight Mapping and Health Tracking iOS App (Swift+SwiftUI)

- Developed iOS app utilizing charts framework and bluetooth functionality to help user visualize weight-loss progress.

Brightspace Auto-Login Program (Python + Selenium)

- Built a web automation program enabled by Selenium that automatically inserted two-factor authentication pin into login portal.

Downloads Manager (Python + Watchdog)

- Built Python script that utilized watchdog observer to organize downloads folder by file type.

Wheel of Fortune Game on Command Line (Python)

- Programmed a single player Wheel of Fortune game to be played on the terminal command line.

WORK EXPERIENCE

Disability Resource Center Employee (Note-taker)

Nov. 2021 - Current

Purdue University

West Lafayette, IN

- Organized effective notes consistent with class material for differently-abled student that requested help through the DRC.
- Consolidated lecture notes in color coordinated manner to allow for easier readability and increased retention.
- Maintained email correspondence with DRC client to ensure that materials were being received in a timely manner.

Student Software Engineering Intern (Java + C# + MySQL + XML)

May 2019 - Aug. 2019

NIIT China Ltd.

Shanghai, China

- Implemented front and back-end in a client database app as a project for my Higher Level IB Computer Science class.
- Communicating with client and mentor to ensure all requirements were met on-time and as promised.
- Created and utilized Middleware (coded in Java) to manipulate database using SQL commands.
- Delivered native app experience for iOS and Android using C# in Xamarin.

ACTIVITIES

Hack The Future, Full-Stack Web Developer

Sep. 2022 – Present

- Engaged in front and back-end web development using the MERN stack
- Collaborated in a team of 8 people and utilized tools and concepts like git version control, agile and scrum methodology
- HTF is an exclusive student organization at Purdue aimed towards creating software for local nonprofits with the hopes of bettering the community.

Purdue Hackers, General Member

Jan. 2021 – Present

- Attended and engaged in workshop meetings to build and strengthen technological skills by utilizing cutting-edge technologies to build projects. Purdue Hackers is the largest Computer Science organization at Purdue University.