Bardan Phuyel

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EDUCATION

The Pennsylvania State University   *Expected Graduation:* **Spring 2025**
Bachelor of Science: Computer Science Major
Minors: Information Sciences & Technology

SKILLS

- Software & IDEs: Microsoft Office, G Suite, Git, VS Code, IntelliJ, PyCharm, CLion
- Languages: C++, Java, Python, JavaScript, SQL, HTML, CSS
- Frameworks & Tools: Flask, Firebase, React, Vercel, GitHub, Azure

RELEVANT EXPERIENCE

Software Engineer Intern   *May 2023 — Jul 2023*
SupplyTiger   Elizabethtown, PA

- Led SupplyTiger's digital transformation by introducing AI and machine learning to improve efficiency. Used HTML5, Python, JavaScript, and CSS3 for full-stack development and integrated RESTful APIs for automated tasks like Amazon listing creation.
- Applied data-driven marketing techniques using Helium 10 and Amazon advertising, enhancing conversion rates and customer acquisition through API integrations with Amazon AWS and Walmart.
- Developed unique product offerings on Amazon, such as a custom candy mix and Garden Grace Seeds. Employed methods like A/B testing, predictive analytics, and sentiment analysis to increase sales and brand visibility.
- Oversaw brand and product development for Garden Grace Seeds, involving tasks from logo design to market analysis and intellectual property management. Utilized machine learning and NLP tools like AutoGPT for research and operational efficiency.

PROJECTS

Nittany Navigator [Capstone Final Project]   *nittany-navigator.bardanp.com*

- **Innovative Campus Navigation App**: Developed Nittany Navigator using React Native to streamline campus navigation, event tracking, and safety features for Penn State Harrisburg
- **Comprehensive Tech Stack:** Leveraged React Native for app development, Firebase for real-time data management, Node.js for server logic, and Microsoft Azure SSO for secure authentication
- **Advanced Features**: Integrated an interactive campus map, campus resource locator, safety alerts, and a user-submitted event system
- **Full-Stack Developer Role**: Implemented Azure SSO for authentication, comments section, and navigation features, built an admin panel with seamless Firebase data integration, assisted with front-end pages, and managed back-end logic

Movie Search App   *movie-app.bardanp.com*

- **Interactive Movie Database Application:** Developed an interactive web app that allows users to search for movies using an OMDB API key entry system and a custom search feature
- **Tech Stack:** Built using React.js, JavaScript, HTML, and CSS, integrating with the OMDB API for seamless data management.
- **Dynamic Movie Search**: Implemented real-time movie and TV show search via the OMDB API, allowing users to input an API key directly through the UI.

Notes Web App

- **Full-Stack Development of Note Management System**: Built a comprehensive web application using Flask, HTML, CSS, and JavaScript, focusing on a seamless note-taking experience with multimedia attachment support.
- **Intuitive User Interface with Enhanced Functionality**: Designed a user-friendly interface facilitating easy note creation, editing, and deletion, complemented by an efficient multimedia attachment feature.
- **Robust Backend Integration for Data Management:** Implemented a secure and scalable backend using Flask, ensuring reliable data storage, retrieval, and privacy for user notes.

HONORS & AWARDS

Third Place in ChatGPT Programming Competition   *April 2023*
The Pennsylvania State University   Harrisburg, PA

- Distinguished myself by securing third place in a pioneering AI-driven programming competition, which underscored my adept utilization of advanced AI tools such as ChatGPT in the resolution of intricate algorithmic challenges.
- Expanded my technical experience by gaining practical exposure to AI systems like ChatGPT within a competitive context, reinforcing my capacity to harness emerging AI technologies for efficient and effective problem-solving in the realm of software engineering.