Yash Patel

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EDUCATION

New Jersey Institute of Technology, Newark, NJ — **-Jan 2020 - May 2024**
Bachelor of Science in **Computer Science**
Minor in **Data Analytics**

EXPERIENCE

Willlouden.com, Inc (Remote) — *-Dec 2023 – May 2024*
– *Software Developer Internship* — (**lilYoungOne)**

- **Developed** a web-based application named **lilYoungOne** using a diverse tech stack that includes **PHP**, **JavaScript, HTML**, **CSS**, **SCSS**, and **SQL**. This project aimed to **significantly** enhance the user experience and improve the overall **functionality** of the **platform**, ensuring it meets the evolving needs of its users.
- **Implemented** robust **data management** strategies utilizing **SQL databases**. This involved designing **efficient** database **schemas** and writing optimized **SQL** queries to **store, retrieve**, and **manipulate** user information securely, ensuring **data integrity** and **confidentiality**.
- **Collaborated** with a remote team of developers, **designers**, and **project managers** to conceptualize, design, and **implement** new features. This collaboration was crucial in ensuring the platform's **effectiveness**, **scalability**, and **alignment** with business goals. Regular meetings and communication were maintained to keep the team **synchronized** and the project on track.
- **Designed** a **user-friendly interface** with a focus on **usability** and **accessibility**. This involved **creating** intuitive **navigation** structures and interactive elements that facilitate easy use for individuals with varying levels of technical proficiency. **Conducted** user testing sessions to gather feedback and iteratively **improve** the design.
- **Contributed** significantly to the **development** and **maintenance** of the **platform's** frontend **codebase**. This included writing clean, maintainable code and **adhering** to **established** coding standards and best practices. Regular code reviews and updates were **performed** to ensure the codebase remained **scalable** and **maintainable**, supporting future growth and **development** of the platform.

ACADEMIC PROJECTS (See More Projects Here)

Sentiment Analysis App

- **Developed** an innovative Web Application **designed** to analyze the sentiment behind written text, enhancing user understanding and interaction.
- Leveraged **Hugging Face's** Interface **API** for seamless deployment, integrating it with the powerful **Streamlit** framework and **Python** for an intuitive user experience.
- Integrated **Plotly**, a versatile visualization **library**, to present sentiment analysis results in an interactive and engaging manner, allowing users to explore and interpret the data more **effectively**.
- **Utilized** a combination of **PyTorch** and **TensorFlow** frameworks to implement **deep learning** models for sentiment inference, ensuring the app's accuracy and reliability in understanding and categorizing text sentiment.
- Conducted comprehensive **software testing** to ensure the reliability and **accuracy** of sentiment analysis results, identifying and **resolving** bugs and performance issues to enhance user experience.

Student Management System

- **Created** and **implemented** a web-based application using **PHP**, **JavaScript**, **HTML**, **CSS**, and **SQL** to provide a comprehensive solution for managing member information and physical health records within an organization.
- **Developed** a secure and confidential **database system** to regulate member **data**, ensuring **privacy** and **data protection**.
- **Developed** a **Python-based** Student **Database** System, **streamlining** academic record operations and enhancing administrative **efficiency**.
- Utilized **MySQL**, **Python**, and **Visual Studio Code** to create a cohesive multi-platform development environment, ensuring **seamless** integration and compatibility across various operating systems.
- **Created** a user-centered **interface** with excellent **UI/UX** skills for effective **CRUD** operations.
- **Demonstrated** strong **problem-solving** skills and attention to detail in identifying and **resolving** technical issues, ensuring the **reliability**, **security**, and **functionality** of the Student Management System.

SKILLS

Programming Languages: Object-Oriented Programming(OOP), Python, C#, Java, PHP, JavaScript, C, C++, Bash, HTML, CSS, SQL

Frameworks & Libraries: Express.js, NEXT.js, Node.js, Angular, jQuery, React, Flask, Dash

Tools & Technologies: GCP, Azure, Cloud Computing, Linux/Unix, MacOS, BitBucket, Tailwind CSS, Pandas, Copilot, Git (GitHub, GitLab, Hugging Face), Linux, Microsoft Visio, Figma, Technical Writing

Cloud: AWS: Amplify and EC2; Google: Firestore, AppEngine, and Cloud Functions

Project Management: Jira, Bitbucket, Confluence, Agile Development (Scrum Methodology)

Databases: PostgreSQL, MongoDB, Firestone, CockroachDB

Other: Autodesk Fusion 360, Solidworks, Cura