

HARSHITH KIRTHI

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PROFILE SUMMARY

Aspiring software engineer with strong proficiency in Python programming. Strong command of data structures and algorithms, enabling efficient resolving issues and optimized solutions. Experienced in building scalable applications using modern technologies like React.js, Node.js, and MySQL. Enthusiastic about writing efficient, maintainable code and collaborating in high-performing team environments.

SKILLS AND COMPETENCIES

- **Programming** – Python, Java
- **Technologies & Tools** – Html, CSS, JavaScript, React JS, Bootstrap, Django, Node.js (Express.js), MySQL, MongoDB, Git, GitHub, Docker, Azure

PROJECTS

Small Shop Billing Application [[Link](#)]

Technologies Used: Python, Flask, SQLite/MySQL, HTML, CSS, JavaScript

- Developed a lightweight **billing application** tailored for small businesses to streamline sales and inventory management.
- Designed an intuitive **user interface** using HTML, CSS, and JavaScript, enabling efficient entry of customer and product details.
- Built a backend using **Python (Flask)** with a **database integration (SQLite/MySQL)** to manage product inventory, billing data, and transaction history.
- Automated **bill generation** with dynamic calculation of taxes, discounts, and total amounts, reducing manual errors by **95%**.
- Added features like **searchable product lists**, **invoice printing**, and **real-time updates** to inventory levels upon sales.

Full Stack E-commerce Website –

Tech Stack: Next.js, React, Tailwind CSS, MongoDB, and Stripe

- Created a **scalable e-commerce platform** using **Next.js** and **React**, achieving **30% faster page load times** through optimized **server-side rendering** and **lazy loading**.
- Conceptualized a **responsive user interface** with **Tailwind CSS**, ensuring a **100% mobile-friendly experience** across various devices.
- Integrated **MongoDB** to manage a database of **50+ products** and handle **user accounts** securely.
- Implemented **Stripe** for secure **payment processing**, facilitating **100% transaction success rate** during checkout.

Habit Tracker & Motivator Web App

Technologies Used: React.js, Node.js, Express.js, MySQL, Flask, Scikit-learn, Pandas, NumPy

- Built a **full-stack web application** to help users track and manage daily habits, can handle up to **500+ daily users**.
- Forged and implemented a **responsive user interface** using React.js with **90% mobile responsiveness** and modular components.
- Built **RESTful APIs** with Node.js and Express.js, ensuring a **99.9% uptime** and seamless communication between the client and server.
- Utilized **MySQL** to store and retrieve **100,000+ rows** of user and habit data efficiently.
- Created an **AI-powered habit recommendation system** using Flask, Scikit-learn, Pandas, and NumPy, achieving **85% accuracy** in personalized habit suggestions.
- Ensured **clean, modular code**, reducing maintenance time by **30%** and enabling scalability for future features.

COURSES / CERTIFICATIONS

Full Stack Python Web Developer

Live Tech

Salesforce Certified: Salesforce Developer Virtual Internship

Salesforce.com

IBM Certified: SQL and Relational Databases 101

IBM Developer Skills Network.

TCS iON Career Edge – Young Professional.

TCS

EDUCATION

Avanthi Institute of Engineering & Technology Hyderabad | B. Tech in Computer Science and Engineering | Oct 2021 to Jun 2024