Sidharth

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PROFESSIONAL EXPERIENCE

Back-end Developer, Techno Believers (Khiladi Adda)02/2025 - Present

- Spearheaded the development of a robust backend architecture for a comprehensive **School Management System**, enabling seamless student, teacher, and course management.
- Designed and implemented RESTful APIs using **Node.js (Express.js) and MongoDB**, ensuring smooth interaction between frontend and backend systems.
- Integrated **JWT-based user authentication and role-based authorization** to manage access for students, teachers, and principals.
- Developed core features such as student **report card generation**, **course creation,** and **performance tracking,** optimizing for both functionality and scalability.
- Applied best practices in security with **b-crypt** for password hashing and Express-validator for input validation to ensure data integrity.

Full Stack Developer, Shami Innovation and Technologies01/2024 - 07/2024

- Working as a developer while consulting and actively participating in technical brainstorming.
- Developed responsive web pages with **HTML, CSS, and JavaScript**, and built applications with **Python, Django, Flask, and Django Rest Framework.**
- Worked with Shami Innovation as a Full stack Developer for 8 months, Created and integrated APIs, conducted code reviews, and delivered full-stack solutions with team collaboration.
- Highly proficient in object-oriented programming language. Has exposure to industry best practices for writing clean code based on design practices and execution planning.

PROJECTS

School Management System

- **Backend Architecture & API Development:** Designed and implemented scalable RESTful APIs for a School Management System using Node.js (Express.js) and MongoDB, ensuring efficient data flow and seamless integration.
- **User Authentication & Role-Based Access:** Integrated JWT-based authentication and implemented role-based authorization, securing access for students, teachers, and principals across various functionalities.
- **Feature Development & Management**: Developed key features including student report cards, course management, and performance tracking, improving user experience and operational efficiency.
- **Security & Data Integrity**: Applied input validation with Express-validator and ensured data security through b-crypt for password hashing and Mongoose ORM for structured data management.

Website Vulnerability Scanner

- **Advanced Threat Detection:** Uncovers critical vulnerabilities like SQL injection, XSS, and CSRF with precision.
- **Real-Time Protection**: Executes instant scans, delivering in-depth reports with clear, actionable security insights.
- **Python-Powered Performance**: Built-in Python to ensure robust, high-performance scanning that safeguards websites from emerging threats.

WEBDEM

- **Data Extraction Excellence:** Leveraged Python for web scraping to capture valuable data from diverse sources, enriching the application's functionality.
- **Enhanced UI/UX Design:** Crafted intuitive UI/UX elements to elevate user engagement and streamline interactions.

- **Dynamic URL Generation:** Created dynamic URLs for seamless navigation and efficient data retrieval, ensuring a smooth user experience.

E-commerce - Website

- **Full-Stack eCommerce Development:** Built a responsive eCommerce website using Django, HTML, CSS, and Bootstrap for a polished user experience.
- **Database Integration:** Connected the site to a MySQL database to enable smooth CRUD operations, ensuring seamless data management.
- **Enhanced Functionality:** Integrated Gmail for email features and Razor pay for payment processing demonstrations, showcasing a robust and user-friendly payment workflow.

Save Nature Website

- **Fully Responsive Design:** Built a website with HTML and CSS, ensuring seamless performance across all devices and screen sizes.
- **Comprehensive Sections:** Included key sections—About Us, Motto, Services, Projects, and Contact—for a complete, informative user journey.
- **Enhanced User Experience:** Designed each section for easy navigation and clarity, delivering an intuitive, engaging experience for users.

ADDITIONAL INFORMATION

- **IBM Python Certification:** Recognized expertise in Python, validating advanced programming skills and problem-solving proficiency.
- **AWS Cloud Practitioner Certification:** Demonstrated knowledge of core AWS services and cloud computing fundamentals.
- **LinkedIn MySQL Badge:** Verified proficiency in MySQL, showcasing skills in database management and SQL queries.
- **6-Month Internship Experience Certificate:** Hands-on experience in a professional setting, contributing to real-world projects and gaining industry insights
- **Web Designing Certification:** Certified in web design principles, skilled in creating user-friendly and responsive web interfaces.

Technical SKILLS

Languages: Python, JavaScript, TypeScript , Node.js

Web Technologies: Django, Flask, Django Rest Framework, HTML, CSS, Web Scraping

Libraries/Frameworks: Express.js, Socket.io , JWT

Databases: MySQL, MongoDB , Redis

Cloud Services: AWS (API Gateway)

Tools/Platforms: Git, Postman, VS Code, ChatGPT, Linux

EDUCATION

Bachelor of Science M.D.U, Rohtak 2017 – 2020