SAANYA TYAGI

Course: B. Tech, Computer Science and Engineering, 2024
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ABOUT

I am a Fullstack Web Developer with a deep understanding of web technologies. I have experience in JavaScript, ReactJS, Typescript, Python and its frameworks like Django, and C# and its frameworks like .NET, etc., with a keen eye for design. I excel in crafting visually appealing and responsive web applications.

As a certified (PSM 1) Scrum Master, I have a very good knowledge of Agile methodology, its principles, and practices. I possess excellent written and oral communication skills and thrive in cross-functional team environments, fostering a collaborative and productive atmosphere.

EDUCATION

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
B.Tech. – CSE	MIT-WPU		88.54%	2020-2024
Class XII	Delhi Public School, Vasant Kunj	CBSE	87.4%	2019
Class X	K.R. Mangalam World School, Gurgaon	CBSE	98%	2017

SKILLS

Technical Skills: HTML, CSS, JavaScript, Bootstrap, Angular, Typescript, ReactJS, C, C++, C#, Python, .NET, Django, MySQL, AWS, Internet of Things (IoT), DBMS, OOPs, Agile (Scrum), Version Control (Git)
Soft Skills: Leadership, Time Management, Adaptability, Team Work, Communication Skills, Problem-solving

INTERNSHIPS

Axonator – Software Engineer Intern   **Jan 2024 – June 2024**

During my internship, I played a pivotal role in enhancing the company's Platform as a Service (PaaS) offering by actively contributing to a project focused on optimizing data import and export functionality for a key client. Utilizing my expertise in Python, Celery, and RabbitMQ for local task queues and SQS for queueing service in AWS, I delved into the intricacies of the system, identifying, and addressing bottlenecks to improve the overall performance and efficiency of data export processes. Additionally, I took on the challenge of debugging an Android app using Java, showcasing my versatility in programming languages and problem-solving skills. In addition to that, I am helping build a newer robust, and versatile platform using .NET and C#. Through my dedicated efforts, I significantly contributed to the seamless operation of the platform, demonstrating my ability to troubleshoot, innovate, and enhance the company's product offerings.

DigiBenders Inc. - Frontend Developer Intern   **Aug 2023 – Dec 2023**

In this internship as a Frontend Developer, I contributed to a project aimed at preserving the culture of the indigenous Red Indian communities by developing an educational platform like Canva, through the integration of cutting-edge technologies, including CSS, React, and TypeScript.
I collaborated closely with a cross-functional team, including designers and backend developers, to ensure a holistic approach to the platform's development. I contributed to establishing robust communication channels, following Agile methodologies, and participated in daily stand-ups to ensure seamless coordination throughout the development lifecycle.

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
The Complete Frontend Web Development Course	Udemy
Website Designing	Internship Studio
PSM-I	Scrum.org
Industrial Internet of Things	NITTTR Bhopal

PROJECTS

Food Ordering Web Application – Web Development (ReactJS)

Developed a user-friendly food ordering web application utilizing ReactJS, enabling seamless browsing and hassle-free ordering experience for users, allowing them to add/remove items from the cart with ease.
Key Skills: ReactJS, JSON, CSS, React Hooks, React Portals, Modals

Health and Alcohol Monitoring System using IoT (Internet of Things)

The system efficiently tracks blood alcohol concentration and blood pressure, issuing alerts for excessive alcohol intake or unsafe health parameters. It promotes responsible drinking, mitigates health risks, and can extend to offer personalized lifestyle recommendations and support for those facing alcohol addiction.
Key Skills: IoT, Sensor Integration, Alert Mechanisms

Expense Tracking Web Application – Web Development (ReactJS)

Crafted an intuitive expense-tracking app using ReactJS, allowing users to monitor their spending habits. With a visually appealing bar chart, it enables users to analyse and compare their expenses on a yearly basis, facilitating better financial planning and decision-making.
Key Skills: ReactJS, React Hooks, Forms, Object De-structuring

E-Commerce/Retail Website – Web Development

Developed a dynamic E-commerce website allowing users to add and remove items from their cart with ease. This responsive platform

seamlessly adjusts its layout and design based on the window size, ensuring an optimal browsing experience across devices.
Key Skills: HTML5, CSS, JavaScript, jQuery, Bootstrap

Currency Exchange Rate Analyser – Web Development (ReactJS)
A currency exchange dashboard offering analysis of exchange rates over time, with selectable weekly, monthly, quarterly, and yearly charts. It includes features such as peak and lowest rate dates, a currency converter, and real-time exchange rates for over 50 currencies worldwide. Made as part of a hackathon.
Key Skills: ReactJS, Firebase, Tailwind, Apex-Charts, Luxon, Axios

POSITION OF RESPONSIBILITY

Chairperson – Texephyr (Technical Fest of MITWPU)   **Sep 2023 – Present**
- Recently appointed as the Chairperson of the Technical Fest of my college, I am currently overseeing the planning and preparation for upcoming events, demonstrating my commitment to taking on a leadership role within the organisation.
- Actively working on strategizing and organizing competitions to be held in the near future. This includes conceptualizing event formats, securing sponsorships, and coordinating with potential judges.

Sponsorship Head – Texephyr (Technical Fest of MITWPU)   **Apr 2022 – Aug 2023**
- Spearheaded the sponsorship and marketing initiatives, successfully securing six-figure sponsorships from various companies.
- Collaborated with cross-functional teams, monitored and tracked sponsorship deliverables, ensuring sponsors received the agreed-upon benefits and maintaining long-term relationships for future collaborations.

HR Lead – Society of Women Engineers MITWPU Affiliate   **Jun 2022 – Jul 2023**
- Implemented performance management systems and processes to evaluate and monitor club members' performance, providing feedback, identifying areas for growth and improvement, and providing them with guidance, mentorship, and support, assisting them in their personal and professional growth within the club and beyond.
- Collaborated with other club leaders and members to plan and organize events, meetings, and activities, ensuring they aligned with the club's goals and objectives.

PUBLICATIONS

IEEE Xplore, International Conference on Computing Communication Control & Automation
Title: Emotionomics: Pioneering Depression Detection Through Facial Expression Analytics
Link: https://ieeexplore.ieee.org/document/10392157

EXTRA CURRICULAR ACTIVITIES/HOBBIES

Basketball: Served as the Team Captain of my high school basketball team.
Reading: Enthusiastic reader with a love for exploring diverse literary genres and a genuine curiosity for learning and imagination.
Art: Art enthusiast skilled in transforming ideas into visually captivating expressions.
Community Involvement: Organising cultural fests for the community.

LINKS

LinkedIn: https://www.linkedin.com/in/saanya-tyagi-b345aa202/
GitHub: https://github.com/saanyatyagi

LANGUAGES KNOWN

English, Hindi