Sayan Mondal

Full stack Developer

Targeting **Full stack Developer** roles with an organization of high repute with a scope of improving knowledge and further career growth.

Contact

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in https://www.linkedin.com/xyz

Academic Details

o **Bachelor of Engineering (B.E.) Computer Engineering**
College Name, City;
CGPA: 9.15

Soft Skills

Analytical | Collaborator | Leader | Adaptable

Technical Skills

o **Programming Languages:**
JavaScript, Python, Go
o **Frameworks:**
React, Express, Django

Core Competencies

Agile Methodologies

Software Development Life Cycle

Restful API

Debugging

Containerization

Web Services

Microservice Design

Performance Optimization

System Scalability

Personal Details

Date of Birth: 9th May 2000
Languages Known: English, Hindi and Marathi
Address: Mumbai, Maharashtra

Profile Summary

o A full stack developer with high **problem-solving skills** and develops **complex projects**.
o I have proficiency in **IoT Devices** and built projects which can be used by a widespread of people.
o **Developed a highly scalable attendance system** which is used regularly in our college.
o Working professionals **achieved Posture improvement** with help of my **Smart Chair**.
o Identified the visual inaccuracies in the existing college website and **improved** the UI.
o Possesses **in-depth knowledge of multiple technology stacks** which in turn contributes to an efficient development stage of products.

Academic Projects

Slouch Detection System   **June 2022 – March 2024**
Tools: React, Django, Docker, Arduino Programming
A Smart Chair which helps the user to avoid bad posture by sending an alert on desktop and a dashboard to show the improper posture.
Responsibilities:
o Designed the hardware for this system, and programmed it using Arduino IDE.
o Designed and Developed the Dashboard in React, where the user will get an alert for improper posture.
o Developed the backend of this system, which will take the data from sensors over web socket and send it to the neural network to check the posture of the user.
o Deployed the entire architecture over Docker Compose and Nginx on a self-hosted cloud (Raspberry Pi 4).
o <-Add-source-code->, <-Add-Live-Link->

Smart Home System   **June 2022 – March 2024**
Tools: React, Node, Docker, Arduino Programming
A device which sits inside a conventional switch board and makes normal appliance – Smart using IoT protocols.
Responsibilities:
o Designed and implemented the Web App for toggling lights, fans, AC, TV over web.
o Developed the backend in Node to send the API requests to IoT devices over MQTT protocol.
o Integrated voice assistants like Google Home, Alexa, Siri in the backend to make the appliances voice activated.
o Deployed the entire architecture over Docker Compose on Amazon EC2 Instance.
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Academic Achievements

o Implemented a biometric attendance tracker system for college to track and export attendance of students in CSV format.
o Improved the UI of college website to include a separate page for Alumni and Teachers.
o Writing a Research paper for Slouch Detection System and planning to publish in the later half of this year.
o <-Add-significant-achievements->