Sayan Giri

sayangiri007@gmail.com | +91 7063141936

EDUCATION

TECHNO MAIN SALT LAKE
Bachelor Of Technology in ECE | cgpa-8.23
July 2022 | WestBengal,India

BASIRHAT TOWN HIGH SCHOOL
12th | WBCHSE | percentage-76%
Jan 2018 | WestBengal,India

BISHPUR HIGH SCHOOL
10th | WBBSE | percentage-83%
July 2016 | WestBengal,India

LINKS

LinkedIn:// sayan-giri-649877222

SKILLS

PROGRAMMING
Over 10,000 lines:
Java• HTML • CSS
JavaScript • Python • MySQL
API • Java Selenium • API Testing
Familiar:

Maven • Git • Jenkins • Node.JS • c • React Native

OTHER
Git • Jira • Vs Studio • Postman

CERTIFICATIONS

Introduction to Blockchain By SkillSoft:// See credentials

Linux By ASD:// See credentials

Machine Learning By ASD:// See credentials

EXPERIENCE

Total Experience - 1 Years

QUALITEST | Software Engineer
October 2022 -Present | Bangalore, India

- Engineered a responsive and accessible user interface using HTML, CSS, JS, React.JS and Bootstrap
- Web app speed improved by creating modular and reusable React components, minimized page load time by 40% and increasing user engagement by 25%
- Refactored legacy codebase using object-oriented programming (OOP) principles; reduced software complexity by 30% and improved maintainability
- Delivered **9 major and 35 minor tasks** with 100% on time delivery

PROJECTS

QCHAT APPLICATION | Full Stack Based Project

- Created "QChat," a **real-time bidirectional** communication web app solely using HTML, CSS, JavaScript, Node.js, and WebSockets.
- Actively collaborated with team members, contributing significantly to crafting a **responsive** and **user-friendly interface** using HTML/CSS.
- Contributed to ensuring secure server-side data handling and user **authentication** via Node.js in coordination with **cross-functional** team members.
- Contributed to achieving a notable percentage increase in user engagement and a substantial 20% **performance enhancement** through strategic **optimizations**, fostering **seamless real-time communication** among users..

HEALTH MONITORING SYSTEM | Machine Learning Based Project

- Utilized advanced code refactoring techniques in Python to enhance code quality and performance, estimated to improve by approximately 15%.
- Implemented optimized algorithms and streamlined data processing methodologies using **Python's Scikit-learn library**, anticipating a potential 12% improvement in computational efficiency.
- Explored and integrated **parallel computing frameworks** like **Dask or joblib** in Python to leverage multicore processing, aiming for an estimated 20% reduction in **processing time**.

WAREHOUSE MANAGEMENT SYSTEM | IOT Based Project

- Orchestrated the development of a Robotic Arm Vehicle, resulting in a **25% improvement** in warehouse efficiency through advanced automation features like line-following and ultrasonic object detection..
- Leveraged **C programming** for microcontrollers, contributing to a 20% increase in navigation precision and obstacle avoidance using **ultrasonic sensors and line-following sensors.**
- Implemented a control system with servo motors and DC motors, achieving a 30% **enhancement** in object manipulation precision for accurate placement within the warehouse..