SATISH SAHU

Department of Biotechnology

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EDUCATION

Indian Institute of Technology, Kharagpur

Department of Biotechnology - CGPA - 8.83/10

KhelGaon Public School

12th CBSE Board - Percentage - 93%

KhelGaon Public School

10th CBSE Board - CGPA - 10/10

Kharagpur, India

Dec 2020 - Present

Prayagraj, UP, India

May 2018 - Apr 2019

Prayagraj, UP, India

May 2016 - Apr 2017

INTERNSHIPS

System Engineer (Backend Developer) | Cessini Pvt. Ltd, Kolkata

Dec 2023 - Present

- Building a robust backend using latest technologies like WebRTC, ICE, Socket.io, Apache Kafka, Docker, Kubernetes, AWS and Azure Cloud Services, Hadoop, Redis, Elastic Search.
- Collaborating as a team to enhance microservices performance, testing APIs, and enhancing database services by utilizing Redis as a cache, also worked on system designing and development of scalable video calling application.

JavaScript Developer | CodeSpeedy Pvt. Ltd, Kolkata

Oct 2023 - Jan 2024

- Authored and published more than fifty articles on full stack development, including topics such as JavaScript, Next.js, React.js, and Node.js
- Without the use of Al techniques such as ChatGPT, worked on developing genuine tutorials for millions of CodeSpeedy visitors
- Worked on article Search Engine Optimization and increased the website traffic by more than 5% on a regular

$Data\ Scientist \mid Psyliq,\ Pune,\ Maharashtra$

Oct 2023 - Dec 2023

- In a Jupyter notebook, successfully developed a Handwritten Digit Recognition system employing the MNIST dataset and a Neural Network.
- Applied the Deep Learning knowledge to the forecast of the stock price of State Bank of India using the LSTM Model

PROJECTS

E-Charchaa | Online meeting web application using WebRTC

Dec 2023 - Jan 2024

- Created a secure authentication and authorization with Twilio for Otp, refresh, access token, completed an encryption task with crypto/jwt
- In the application, the user can create a new room in open/public/private mode other users can join it and communicate via voice and text

Portfolio | A development Skills Portfolio Web App

Nov 2023 - Dec 2023

- * Created an exclusive portfolio utilizing the MERN stack to highlight my expertise in the web development, using Reactis, CSS, Bootstraps, Google Fonts, and Material UI, a responsive user interface was created for a range of screen sizes, along with light and dark themes
- * Utilized the nodemailer API for email alerts and integrated react-redux, for advanced state management and deployed on AWS EC2 instance

Ebuy | Online Ecommerce store using Nextis

Feb 2023 - Apr 2023

- * Successfully built a dynamic online clothing store using latest Next.Js and TailwindCSS technologies and included a Stripe payment method.
- * Designed features include product filtering based on price range, category, sale, order history and summary, checkout and discount features, as well as admin features like product addition, email notification, order management, and delivery tracking
- * Used firebase and mongoDB as databases, used Cookies and localStorage to handle Stripe sessions, and cached the data. Implemented a Secure authentication and authorization using brrypt and isonwebtoken module

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, SQL, HTML, CSS

Tools and Technologies: React/Next/Node/ExpressJs, MongoDB, Firebase, Redux, Django, TailwindCss, AWS, Docker, PostgreSQL, GraphQL, Fast/Rest/ContextAPI, Bootstrap, Flask, Apache Kafka, WebSocket, WebRTC, Socket.io, Kubernetes, Nginx, Linux, GitHub, Postman, Kurento, RTMP, Computer Vision, System Design, Asyncio, ML/DL, Arduino