SATISH SAHU

Department of Biotechnology

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EDUCATION

Indian Institute of Technology, Kharagpur — **Kharagpur, India**
*Department of Biotechnology - **CGPA - 8.77/10*** — *Dec 2020 - Present*

KhelGaon Public School — **Prayagraj, UP, India**
*12th CBSE Board - **Percentage - 93%*** — *May 2018 - Apr 2019*

KhelGaon Public School — **Prayagraj, UP, India**
*10th CBSE Board - **CGPA - 10/10*** — *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 designing and development scalable video calling application.

JavaScript Developer | CodeSpeedy Pvt. Ltd, Kolkata **Oct 2023 - Dec 2023**
- 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 basis.

Data Scientist | 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 | A broadcasting web application **Dec 2023 - Present**
- 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 develpoment 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 Reactjs, 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 **Nov 2023 - Dec 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 were implemented using bcrypt and jwt tokens

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, SQL, HTML, CSS
Tools and Technologies: React/Next/Node/Express]s, 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