

Nilesh Singh Chauhan

Full Stack Developer



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Profile

I am a Full Stack Developer with over two years of hands-on experience creating web applications that tackle real-world challenges. I excel at both front-end and back-end development, consistently aiming to write clean, efficient code that's easy to maintain. My expertise spans JavaScript, React, Node.js, and React Native, and I'm deeply passionate about building user-focused applications. I thrive in team environments, valuing collaboration and open communication, and I'm constantly exploring ways to enhance my skills and stay at the forefront of industry trends.

Professional Experience

Software Developer, Niruthi Climate & Ecosystem Services

2023 Mar – present
Hyderabad, India

- Developed full-stack dashboards for weather parameters, yield production data, and various admin panels for clients and in-house use, utilizing React.js and Node.js to deliver scalable and user-friendly interfaces.
- Automated data processing scripts using Python to enhance workflow efficiency.
- Integrated satellite data downloads to support comprehensive data analysis.
- Created API endpoints to provide clients with real-time access to weather and yield data, improving data accessibility and decision-making.

Internship, Masai School

2022 May – 2023 Feb
Bangalore, India

- Completed a 10-month immersive internship program (9 AM - 9 PM) focused on MERN stack development, combining rigorous training with hands-on project work.
- Built multiple projects covering both front-end and back-end development, gaining hands-on experience in creating full-fledged applications.
- Acquired strong skills in React, Node.js, Express, and MongoDB, and learned best practices for scalable, maintainable code.
- Gained valuable exposure to collaborative coding, project management, and delivering complete web applications from scratch.

Education

Bachelors of Science, Govt. Holkar Science College, Indore

2018 Jul – 2021 Jul
Indore, India

Higher Secondary Certificate, Govt. High School, Mhow

2016 Jun – 2017 Jun
Mhow, India

Soft Skills

- Communication
- Remote Work
- Team work
- Adaptability

Technical Skills

- HTML
- Javascript
- Nextjs
- Nodejs
- ChakraUI
- Postgresql
- CSS
- Reactjs
- React Native
- Expressjs
- Tailwind css
- Geoserver

Projects

1 CHF Dashboard

- Developed an end-to-end dashboard application for managing weather data and crop yield insights, covering both client and server implementation.
- Built interactive, data-driven dashboards for both client and internal use, featuring customizable filters, data visualizations, and map-based views.
- Integrated geospatial data using Mapbox and GeoServer, managing shapefiles and raster data formats to display weather and crop yield data on a dynamic map.
- Implemented on-the-fly clipping of raster data based on selected state or district polygons using GDAL, writing custom Python scripts to process the geospatial data as needed.
- Created responsive front-end components with React.js and Material UI, ensuring intuitive navigation and enhanced data accessibility.
- Managed server-side logic and API development using Node.js and Express, efficiently handling data processing and retrieval.
- Handled GeoServer setup and maintenance, enabling effective storage and management of shapefiles and raster datasets.
- **Tech Stack:** React.js, Node.js, Express, MongoDB, Material UI, Mapbox, GeoServer, GDAL, Python

2 Infestsnap Dashboard

- Built a multi-user dashboard application enabling clients to manage user roles, assign states, and control data visibility with options to activate, deactivate, or restrict user access.
- Developed a map-based interface displaying nationwide crop data, highlighting which regions have active crops across India.
- Integrated time-based data visualization, showcasing infestation levels over three different maps: the previous week, the current week, and the forecast for the next week. This feature provides clients with actionable insights to mitigate crop risks and support farmers effectively.
- Designed a responsive front-end with React.js and Tailwind CSS, ensuring seamless user experience and clear visual representation of crop and infestation data.
- Utilized PostgreSQL for efficient data management and storage, supporting complex queries and handling large datasets on crop and infestation details.
- **Tech Stack:** React.js, Tailwind CSS, PostgreSQL