

SURYANSH SAHU

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MP, India

in LinkedIn

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EDUCATION

- Indian Institute of Information Technology, Nagpur** Nagpur, India
Bachelor of Technology - **Computer Science and Engineering** *CGPA - 8.95, Nov 2022 - June 2026*
Relevant Courses: Data Structures and Algorithms, Numerical Method and Probability Theory, Application Programming, Introduction to Object Oriented Programming, Database Management System, Computer Networks
- Sri Sathya Sai Vidya Vihar** Raghogarh MP
Class 12th *92% (2021)*
Class 10th *76.6% (2019)*

TECHNICAL SKILLS & LEADERSHIP

- Programming Languages:** C, C++, Python, HTML, CSS, JavaScript, ReactJS, NodesJS, R
- Frameworks and Databases:** Bootstrap, MySQL, PostgreSQL, MongoDB
- Relevant Libraries:** Pandas, Matplotlib, NumPy, Seaborn, plotly, ggplot2, Scikit-learn, TensorFlow
- Tools and Platform:** Visual Studio Code, Github, Git, Postman
- Position of Responsibility:** Core team member of **Event Management** for college events, Abhiviyakti and Tantrafiesta.

PROJECTS

- Dog-Breed-Classifier** [Live](#) [Code](#)
Python, Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib, Seaborn *01/2025*
 - Developed a CNN-based image classification model in **Python** using **TensorFlow** and **Keras** to classify 120 dog breeds with **92%** accuracy, leveraging the pre-trained **EfficientNetV2S** architecture.
 - Performed advanced data preprocessing, augmentation, and hyperparameter tuning to enhance model performance and ensure robust generalization.
 - Evaluated the model using **F1-score**, **precision-recall**, **confusion matrices**, and **accuracy metrics**, providing comprehensive insights into model performance and identifying areas for further optimization.
- Portfolio** [Live](#) [Demo Video](#) [Code](#)
JavaScript, ReactJS, CSS, Material UI, NodeJS, Express, JWT, PassportJS, MongoDB *08/2024*
 - Developed a portfolio website using **React.js**, **Node.js**, and **Express** with a responsive and interactive user interface. The backend, using **MongoDB**, manages data and allows users to change themes, styles, and colors without modifying the code.
 - Set up authentication and authorization with **JWT** and **Passport.js**, to protect routes and user data. Created an admin panel with a login system for updating content and making changes to the portfolio. Only authorized users can make changes, ensuring that data updates are restricted for others.
- Himalayas** [Demo Video](#) [Code](#)
HTML, CSS, JS, Python, Django, OpenAI, SQLite3 *10/2023*
 - Led the development of a website for the IIT Mandi Code for Good hackathon, focused on the theme of "Himalayas." Used **Django** for the backend framework and **SQLite3** for database management.
 - Created a straightforward interface with **HTML**, **CSS**, and JavaScript, allowing users to explore districts of Himachal Pradesh (HP) and learn about different tourist spots in each district with essential travel details.
 - Added **OpenAI** for content generation and real-time weather updates, and used **JavaScript** for interactive maps to show geographic locations.

ACHIEVEMENTS

- Ranked in the **Top 1%** in the Amazon Machine Learning Challenge
- Solved problems on **LeetCode** with a highest rating of **1833** (Handle - ssurya.29) (**Top 6.43% globally**)
- Solved **500+** Question on Leetcode
- Secured **Global Rank 1189** in LeetCode Biweekly Contest 129
- 3 star** on **CodeChef** with a highest rating of **1615** (Handle - ssurya.29)
- Secured **Global Rank 307** in Codechef Starters 130