

PIYUSH RAJENDRA SANGALE

 +919325461338  piyushsangale13@gmail.com  [linkedin.com/in/piyush-sangale-561941224](https://www.linkedin.com/in/piyush-sangale-561941224)  github.com

Education

Indian Institute of Technology Mandi

2025

Bachelors of Technology in Electrical Engineering

CGPA - 7.81/10

Cambridge High International School and Junior College, Shrirampur

2021

Class 12 — Maharashtra State Board of Secondary & Higher Secondary Education

Percentage - 95.67%

Dahanukar English Medium School, Tilaknagar

2019

Class 10 — Maharashtra State Board of Secondary & Higher Secondary Education

Percentage - 89.20%

Skills

- **Fullstack Development(MERN stack)**
- **Programming Languages** : C++, Python
- **Web Development** :JavaScript, Node.js, React.js, Express.js
- **Database** : MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps** : AWS (S3, CloudFront, MediaConvert)
- **Algorithms & Data Structures** : Expertise in algorithm design, time and space complexity optimization
- **System Design** : Microservices Architecture, Scalability, Performance Optimization
- **API Development** : REST APIs, API Authentication, Integrating Third-Party APIs
- **Artificial Intelligence & Machine Learning**
- **Soft Skills**: Problem solving, teamwork, strong communication, adaptability, and quick learning

Experience

Software Engineer Intern

Jun - Dec 2024

Roundglass

Mohali, India

- Integrated video and audio services into the RG Media Service using AWS(Amazon Web Services), enhancing content management for RG Living and other products.
- Reduced dependency on third-party services by building high-performance in-house solutions, saving \$4,000 annually.
- Upgraded audio service architecture to support high-resolution audio, enhancing user experience across all products
- Contributed to API development for scalable backend solutions with a focus on performance, security, and efficiency.

Projects

Phonopedia (GitHub)(Deploy link) | MongoDB, ExpressJS, ReactJS, NodeJS

May - Jun 2024

- Developed a MERN stack web application showcasing top smartphone deals, facilitating device comparisons, and fostering user engagement through a community platform.
- Implemented key features to display the latest smartphone deals, enable detailed side-by-side comparisons of devices, and create a community page for users to join device-specific groups, post updates, and provide feedback.
- Architected a responsive front-end with React and Tailwind CSS, integrated with Node.js and Express.js backend services, and MongoDB/Mongoose for efficient data handling; enhanced page load speed by 25%.

Youtube Clone(GitHub Repository) | ReactJS, Rapid API, HTML, CSS, Javascript

Sep - Oct 2023

- Developed a responsive front-end React app, ensuring an intuitive, fast, and interactive user interface.
- Integrated Rapid API for fetching video content and search results, optimizing real-time data retrieval and enhancing user interaction.
- Implemented React Router for seamless navigation between pages, creating a smooth user experience across multiple devices.

Weather Prediction through images (GitHub Repository) | Python, TensorFlow, Keras, OS, Shutil

Sep - Nov 2022

- Designed a simple and intuitive user interface to allow users to interact with the model and obtain weather predictions from custom images
- Constructed a CNN architecture using TensorFlow and Keras, allowing the model to effectively learn intricate patterns and features within the images, essential for accurate weather prediction
- Trained a deep learning model to differentiate between weather conditions based on visual data; this innovative approach enabled rapid forecasting, impacting decision-making for over 11 different weather conditions.

Achievements

- **Codeforces (Profile Link)**: Rating 1026
- **Codechef (Profile Link)**: Rating 1457
- **GeeksForGeeks (Profile Link)**: Ranked 12th in Institute | Solved over 500 problems