

# Piyush Sahoo

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## EDUCATION

### Orchids The International School

Grade 10 - 92.2

Bangalore

Jun 2016 – May 2020

### Geetanjali School

Grade 12 - 93.8

Bangalore

Jun. 2020 – May 2022

### PES University

BTECH in CSE - CGPA: 8.56

Bangalore

Jun 2022 – 2026

## AWARDS & EXPERIENCE

### Founder of Apna Meetup (Website)

Organizing free, hands-on technical workshops at various colleges across Bangalore.

July 2024 – Present

Bangalore

### Intern at CODMAV (Website)

Contributing to machine learning research and development.

April 2024 – Present

Bangalore

### 1st Place in CodeChef's Clash of Codes

Hackathon @ PES University

April 2024

Bangalore

## PROJECTS

### Research on Finding Research Gap | LLMs, RAG, Semantic Scholar

May 2024 – Present

- \* Conducted research on utilizing Large Language Models (LLMs) combined with LangChain to efficiently search and analyze academic research papers and find their research gap.
- \* Implemented data-driven solutions to predict suitable AI models for given datasets, enhancing the accuracy of model selection and improving research workflows.

### Portfolio | React, Node, Tailwind CSS

Nov 2023 – Present

- \* Developed a sleek and dynamic portfolio website using React, showcasing projects, skills, and experience.
- \* Utilized React libraries for enhanced UI/UX and interactivity, resulting in a user-friendly browsing experience.

### Electronics E-Commerce Website | MongoDB, ExpressJS, ReactJS, NodeJS

Jun 2023 - Present

- \* Created an Electronics E-Commerce platform using the MERN (MongoDB, Express.js, React.js, Node.js) stack.
- \* Employed MongoDB to store user data securely and efficiently, ensuring scalability and flexibility for the application.

### Sorting Algorithm Visualizer | MongoDB, ExpressJS, ReactJS, NodeJS

Jun 2023 - Present

- \* Developed a sorting algorithm visualizer utilizing the MERN (MongoDB, Express.js, React.js, Node.js) stack.
- \* Implemented visualizations for various sorting algorithms such as merge sort, quick sort, bubble sort, and insertion sort, providing users with interactive tools to understand and observe sorting processes in real-time.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, Express, FastAPI, Tailwind CSS

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries & Tools:** pandas, NumPy, Matplotlib, LangChain, RAG (Retrieval-Augmented Generation), Large Language Models (LLMs), Semantic Scholar API, MongoDB, TensorFlow, scikit-learn

**Machine Learning:** Supervised/Unsupervised Learning, NLP, Model Prediction, Data Processing

## STRENGTHS

**Problem Solving:** Passionate about competitive programming and like to solve various kinds of problems.

**Data Structures:** Have a pretty good knowledge about various kinds of data structures.

**Web Development:** Passionate about web development (frontend) and have a pretty good knowledge about it.

**Public Speaking:** Experienced and confident in public speaking, able to effectively communicate ideas and engage audiences.