

Piyush Sahoo

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EDUCATION

PES University <i>B.Tech in Computer Science and Engineering</i>	Bangalore CGPA: 8.63
Geetanjali School <i>Grade 12: 93.8%</i>	Bangalore Jun. 2020 – May 2022
Orchids The International School <i>Grade 10: 92.2%</i>	Bangalore Jun. 2015 – May 2020

TECHNICAL SKILLS

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

Libraries & Tools: pandas, NumPy, Matplotlib, LangChain, RAG (Retrieval-Augmented Generation), Large Language Models (LLMs), Semantic Scholar API, MongoDB, TensorFlow, scikit-learn, Crew AI, Langflow, OpenWebUI, PhiData, Hugging Face, Plotly, Keras

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

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

PROJECTS

Research on Finding Research Gap	May 2024 – Present
<ul style="list-style-type: none">Conducted research on utilizing Large Language Models (LLMs) combined with LangChain to efficiently search and analyze academic research papers.Implemented data-driven solutions to predict suitable AI models for datasets, enhancing model selection accuracy.	
PHOTON - A Personal Desktop Assistant	Nov 2023 – Present
<ul style="list-style-type: none">Developed a personal desktop assistant inspired by JARVIS, utilizing Groq and Llama model for task handling.Implemented agent-based task management with tool invocation, developed modular tools for automation, and optimized vector storage for fast query handling.	
Blog Research and Writing Automation with CrewAI	Nov 2023 – Present
<ul style="list-style-type: none">Automated blog research and writing using CrewAI, integrating YouTube video content extraction and sequential task execution with agents.Developed Blog Researcher and Blog Writer agents, optimizing content generation with memory, caching, and a YouTube tool for topic-based blog creation.	

AWARDS & EXPERIENCE

Founder <i>Apna Meetup</i>	July 2024 – Present Bangalore
<ul style="list-style-type: none">Organized free, hands-on technical workshops at various colleges across Bangalore.	
Intern <i>CODMAV</i>	April 2024 – August 2024 Bangalore
<ul style="list-style-type: none">Contributed to machine learning research and development.	
1st Place in CodeChef's Clash of Codes Hackathon <i>PES University</i>	April 2024 Bangalore

STRENGTHS

- Problem Solving:** Passionate about competitive programming and solving diverse problems.
- Data Structures:** Strong knowledge of various data structures.
- Web Development:** Skilled in frontend development with a passion for creating dynamic websites.
- Public Speaking:** Experienced and confident in delivering engaging presentations.