

## SUMMARY OF QUALIFICATIONS

- Hands-on experience in Artificial Intelligence (AI) and Machine Learning (ML) with industrial applications, including model integration and API development.
- Proficient in Python, FastAPI, SQL, and DevOps tools (AWS EC2, Docker, Git) with a strong foundation in API architecture, database management, and cloud deployment.
- Demonstrated ability to develop full-stack applications integrating LLMs (Qwen2.5-72B-Instruct) and multi-database systems (PostgreSQL, MongoDB).
- Strong problem-solving skills in Data Structures, Algorithms, and OOPs, coupled with leadership in team collaboration and project execution.

## EDUCATION

**Bachelor of Technology in Computer Science and Engineering**  
Chaibasa Engineering College, Jharkhand

2021 - 2025  
CGPA – 8.5

**Intermediate (Mathematics)**  
Jawahar Vidya Mandir, Ranchi

2021  
Percentage - 87.8%

## TECHNICAL SKILLS

- Programming Languages/Frameworks:** Python, FastAPI, SQL, Flutter, Java
- Tools & Platforms:** Git, GitHub, AWS EC2, Postman, Docker, VS Code, MongoDB Atlas, HuggingFace
- Database:** PostgreSQL, MongoDB, NeonDB
- Concepts:** API Development (REST/SOAP), JWT Authentication, Web Sockets, LLM Integration, OOPs, DBMS, DSA
- DevOps:** API Deployment, Shell Scripting, Version Control

## WORK EXPERIENCE

**Full Stack Developer (Python + Flutter)**  
Wellorgs Infotech Pvt Ltd

Remote  
June 2024 – August 2024

- Developed and deployed backend applications in Python on AWS EC2.
- Worked on UI of Wellorgs's website and Employo AI application using Flutter by building landing page, state management and adding animations.
- Integrated Transformers and ML models for finding similarities between resumes and job descriptions and categorization of resumes in Employo AI application.

**AI-ML Industrial Applications Intern**  
Ultra Max Technology

Chaibasa, Jharkhand  
July 2023 – October 2023

- Gained hands on experience on Python and developed a Virtual Assistant which works on voice commands
- Learnt basics of AI and ML.

## PROJECT EXPERIENCE

**PsycheSense AI**

[https://github.com/PiyushPratap10/psychesense\\_ai](https://github.com/PiyushPratap10/psychesense_ai)

Android Application

April 2025 – June 2025

- Developed an AI-powered emotional support app using Flutter for the frontend and FastAPI for backend services
- Integrated Qwen2.5-72B-Instruct LLM (via HuggingFace) to provide dynamic, empathetic responses and daily emotion summaries.
- Implemented JWT authentication, Web Sockets, and CRUD operations with hybrid database systems (MongoDB Atlas + NeonDB).
- Deployed backend on **AWS EC2**, ensuring scalable and secure API endpoints.

## LEADERSHIP EXPERIENCE

- Event Management:** Organized tech workshops and hackathons at college, fostering team collaboration.
- Training and Placement Representative:** Nominated as TPR of Computer Science and Engineering department of batch 2021 – 2025 and connected students with various Job opportunities and career updates.

## CERTIFICATIONS

- Google AI Essentials** (<https://www.coursera.org/verify/8GJJHGPNDNXG>): A Google Course on AI and its basic terminologies and technologies.