



PARTH PAHWA

AI & Software Engineer

SUMMARY

Final-year B.Tech student specializing in Artificial Intelligence, with a strong academic background and a proven track record of delivering real-world AI-powered software solutions. Proficient in Machine Learning, Deep Learning, NLP, and Computer Vision, along with full-stack development using React, Node.js, and Flask. Adept at deploying production-ready apps and leveraging Generative AI tools to 10x efficiency across development, design, and delivery. Known for a rapid problem-solving mindset and a passion for building intelligent systems that make an impact.

EXPERIENCE

1Stop - AI Intern

New Delhi, India | Jun 2023 - Aug 2023

- Built CNN and ML models in TensorFlow for pet classification (92% accuracy) and text analysis (87% F1)

NIIT University - Teaching Assistant

Neemrana, Rajasthan | Feb 2025 - May 2025

- Mentored 50+ students in Digital Image Processing improving results by 20%

Labmentix - AI Intern

Gurugram, Haryana | May 2025 - Present

- Developing predictive models handling 10K+ daily inferences

Ernst and Young(EY)- Intern

New Delhi, India | May 2025 - Present

- Working on the TTDF scheme by Department of Telecommunication, GOI

PROJECTS

Plant Disease Classification System (Computer Vision)

- Developed CNN model (ResNet50) achieving 95% accuracy in detecting 38 plant diseases
- Built Flask API endpoint for real-time image predictions with 300ms latency
- Integrated React frontend for agricultural field deployment

RAG-Powered Enterprise Chatbot (NLP/LLMs)

- Implemented multi-agent system using LangChain, OpenAI GPT-4, and FAISS vector DB
- Added tool routing for calculations/dictionary with 92% query accuracy
- Deployed Streamlit UI handling 50+ concurrent users

AI Inventory Management System (Full-Stack)

- Developed demand forecasting model (ARIMA/LSTM) with 88% prediction accuracy
- Built React/Node.js web app reducing stockouts by 35%
- Automated restocking alerts saving 20+ weekly work hours

Intrusion Detection System (Cybersecurity ML)

- Authored IEEE-published paper with XGBoost trained on on CICDS2017
- Achieved 99% detection rate for novel network attacks
- Reduced false positives by 40% vs traditional methods

IoT Fitness Tracker (Hardware - Software)

- Designed MongoDB schema for 10+ health metrics from wearable devices
- Built Node.js backend processing 1000+ requests/minute
- Implemented React dashboard with D3.js visualizations

CONTACTS

- +91 7835938373
- @ parthpahwa1301@gmail.com
- <https://www.linkedin.com/in/parth-pahwa-4501982a8/>
- <https://github.com/Parthhh13>
- Sector-11, Rohini, New Delhi, India

SKILLS

Core AI & ML

Machine Learning · Deep Learning · NLP · Computer Vision · Predictive Analytics

Full-Stack & Dev

React · Node.js · Express.js · MongoDB · Flask · HTML/CSS · JavaScript · Python · Django

Data Science

Pandas · NumPy · Scikit-learn · Data Visualization · Data Analysis · DSA

Generative AI & Tools

GenAI (Prompting, App Prototyping) · FAISS · Streamlit · TensorFlow · Git · REST APIs

Soft Skills

Leadership · Communication · Problem Solving · Teamwork · Time Management · Theatre Arts · Public speaking

EDUCATION

NIIT University

Bachelor of Technology in Computer Science (AI Specialization)

Neemrana, Rajasthan 08/2022 08/2026
GPA (current) | **8.18** / 10

Delhi Public School, Rohini

12th Standard - CBSE 2022

New Delhi, India
GPA | **9.74** / 10

LAUREL HIGH THE SCHOOL

10th Standard - CBSE 2020

New Delhi, India
GPA | **9.18** / 10

INTERESTS

• Theatre Artist

Thrive in collaborative environments, engaging in creative activities, particularly in theatre