

PRANAV JAIN

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📁 Portfolio

EDUCATION

B.E - Thapar Institute of Engineering and Technology - Computer Science

2022 – 2026

Expected in 2026 - CGPA - 9.37

Patiala, India

EXPERIENCE

Medlr Solutions Private Limited, Chandigarh 

June 2025 – Jul 2025

Data Science Intern — LLM pipelines, pharma web scraping, and AI-driven scoring


- Implemented LLM-based resume-job scoring using RAG pipelines, improving semantic match accuracy by over 85%.
- Scraped real-time pharma data; unit-tested Medlr's internal scrapers for live and batch reliability.

Experimental Learning Centre, TIET Patiala 

June 2025 – Jul 2025

Project Intern — Led PPG, retinopathy model implementation and Thinkspeak

- Predicted diabetes using fundus images and PPG signals with various ML models.
- Built wearable hardware for image and signal capture, reducing doctor's effort by 50%.


Samsung R&D Institute India, Bangalore 

Sep 2024 – May 2025

Research Intern — Led project automation, frontend development, and partial backend integration


- Built automated image evaluation comparing Galaxy Enhance-X with Picsart, Snapseed.
- Boosted detail detection and reduced bias by 30% using hybrid evaluation.

PROJECTS

Venture Swipe  | ReactJS, Node.js, MongoDB, HTML, CSS, JavaScript


June 2025 – July 2025

- Developed a full-stack networking platform enabling interest-based matching between entrepreneurs, founders, and enthusiasts, using swipe-based UI components built in ReactJS.
- Architected backend with Node.js and MongoDB, implementing 25+ RESTful APIs for user profiles, match logic, and personalized recommendations.
- Integrated a event management system allowing founders to manage events with user-side registration.

Skill Gap Analyzer  | LLM(OpenAI), pdf-Parse, Puppeteer, Express.js, ReactJS

June 2025 – July 2025

- Built a full-stack app using Azure GPT-4.1 to analyze resumes, detect skill gaps, and generate personalized learning paths, improving roadmap accuracy by 40%.
- Designed an intelligent clarifier to infer missing skills through targeted questions.
- Generated tailored upskilling roadmaps and recommended YouTube tutorials using dynamic scraping and LLM-based ranking.

Topsis Package  | Python, Pandas, NumPy

Jan 2025 – Feb 2025

- Developed a Python package for multi-criteria decision-making using the TOPSIS method.
- Built a Flask-based web interface for user-friendly input and result visualization.
- Integrated an email system to automatically send evaluation results to users.
- Published on PyPI with CLI and script support, ensuring robust error handling.

Calorie Detection System  | YOLOv5, LabelImg, OCR & Flask

Oct 2024 – Nov 2024

- Designed an automated calorie detection system using YOLOv5 for object detection and EasyOCR for text recognition, achieving 60% accuracy in extracting calorie information from food labels.
- Built a Flask-based web interface with OpenCV-enhanced image preprocessing for real-time calorie detection and user-friendly interaction.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, R, JavaScript, SQL

Web & Database Technologies: React, Node.js, MongoDB

Tools & Frameworks: Arduino, OpenGL, OpenCV

Developer Tools: VS Code, Arduino IDE, Oracle Live SQL, Kaggle, Git, GitHub

ACHIEVEMENTS

- * Consecutively awarded the Thapar Merit Scholarship for 2023-2024 and 2024-2025.
- * Solved 300+ DSA Questions on leetcode, GFG & Coding Ninja.