

Parth Tandon

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[Linkedin](#)

[GitHub](#)

[Leetcode](#)

EDUCATION

Punjab Engineering College

BTech Computer Science Engineering(Data Science)

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Chandigarh

- 9.53/10 CGPA
- Part of Rotaract Club , IEEE - CS IB Member , PEC-FEST Sub- Head MegaShow Community

PROJECTS

[LangRepo](#)

Langchain Chatbot for Multiple PDFs | Python, Langchain, OpenAI, Hugging Face, Streamlit

- Built a chatbot using Langchain to query multiple PDFs via conversational retrieval with OpenAI/Hugging Face models
- Extracted and chunked PDF text for efficient semantic search and integrated a Streamlit UI for interaction

ECG Image Classification | CNN, SVM, XGBoost, AdaBoost, R

[ECG Classification repo](#)

- Built a hybrid ECG image classification system combining deep learning (CNN) with traditional machine learning algorithms such as SVM, XGBoost, and AdaBoost to accurately detect various cardiac conditions from ECG data.
- Preprocessed ECG images to enhance feature extraction, improving the accuracy and robustness of the models.
- Conducted model training, hyperparameter tuning, and validation to optimize performance across different classification approaches.

Mentor Connect | React, Tailwind CSS, Node.js, Express, MongoDB, JWT, Bcrypt

[Mentor Boat repo](#)

- Developed a full-stack platform enabling startup founders to find and connect with mentors in their fields, using React and Tailwind CSS for a responsive frontend.
- Built a secure backend with Node.js, Express, and MongoDB, implementing user authentication and authorization via JWT and Bcrypt.
- Managed mentorship requests and user profiles to facilitate seamless mentor-mentee interactions across the platform.

SKILLS

Languages: C, C++, Python, R, JavaScript, HTML, CSS, SQL

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Docs, Docker, Kubernetes

Frameworks : Libraries: React.js, Express.js, Tailwind CSS, FastAPI, LangChain

Databases: MongoDB, MySQL, Pinecone

Cloud Platforms: AWS (including Bedrock)

Core CS Concepts: Data Structures and Algorithms (DSA), System Design (High-Level Design), Object-Oriented Programming (OOPs), Operating System, Computer Networks, DBMS

AI/ML Concepts: Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs)

