

PRANAV P

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EDUCATION

KIT-Kalaignarkarunanidhi Institute of Technology

B.Tech Artificial Intelligence and Data Science aggregate of 7.89 GPA.

2023 - 2027

GOVT BOYS HR SEC SCHOOL PETHANAICKENPALAYAM SALEM

Higher Secondary Education (HSC) with 83.17% .

2022 - 2023

Coursework: Machine Learning, Deep Learning, Data Structures and Algorithms, Database Management Systems.

PROJECTS

Zyra Smart Inventory | React.js, TypeScript, Node.js, Express.js, MongoDB

[Link](#) | Oct 2025

- Engineered a full-stack Smart Inventory System supporting real-time expiry tracking, low-stock alerts, and automated notifications for timely restocking.
- Implemented multi-step shopping cart flows with secure order handling, enhancing customer experience and reducing cart abandonment.

Healopedia MediBot | Python, NLP, Flask, Transformers, Postman

[Link](#) | Feb 2025

- Built a text-to-text medical chatbot capable of answering symptom-based queries using NLP and transformer-based models for accurate response generation.
- Developed a Flask-powered backend API to process user queries, and deliver medically relevant suggestions.
- Optimized dataset preprocessing and model inference to deliver faster and more reliable responses, improving user trust and engagement.

MirrorVerse Game | HTML, CSS, JavaScript

[Link](#) | July 2025

- Designed an interactive browser-based puzzle game where players solve challenges across dynamic levels.
- Implemented custom animations, responsive UI, and collision-based logic using pure JavaScript.
- Enhanced user experience through progressive difficulty, score tracking, and sound/visual feedback mechanisms.

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Web Technologies: HTML, CSS & JavaScript

Databases: SQL, MongoDB

Tools : Cursor, WindSurf, Qoder.

Version Control: Git,Github.

CERTIFICATIONS & COURSES

Coursera - Foundations of Data Structures and Algorithms , Introduction to Artificial Intelligence (AI), AI For Everyone.

Altair - Machine learning professional and master certification , Data engineering professional and master certification.

CISCO - Introduction to cybersecurity, Python essentials.

COMPETITIVE PROGRAMMING

Leetcode : Max rating : 1602 | Solved 250+ problems | Global Ranking : 178,053

Codechef : Max rating - 1492 | Solved 684+ problems | Global Ranking : 30368 | Division-3.

Codeforces : Max rating – 942 | Solved 50+ problems .

ACHIEVEMENTS

- Participated Secured a **Top 40 position** in an inter-college **24-hour Hackathon**, demonstrating strong problem solving and teamwork under time pressure.
- Awarded **First Prize** for excellence in Web Development at PPG Institute of Technology.
- Solved **250+ problems** on **LeetCode**, strengthening data structures and algorithmic proficiency.
- Achieved **Division 3 rank** on **CodeChef**, consistently solving problems and improving competitive programming skills.

VOLUNTEERING

- Volunteered as a technical assistant during campus workshops, helping participants set up development environments and troubleshoot coding issues.
- Taught Java programming fundamentals to junior students, delivering hands-on exercises to enhance coding skills.