Prakhar Pandey

Computer Science Undergraduate — AIML Specialization

Vellore Institute of Technology, Chennai, IN

+91 91252 00572
prakharpandey2023a@vitstudent.ac.in
LinkedIn — GitHub — Codolio

Profile

Computer Science undergraduate specializing in **AI/ML and Frontend Development**, with skills in **C++, Java, React, Node.js, SQL, and AWS**. Experienced in building scalable applications, solving real-world problems through hackathons, and contributing to team-led projects.

Education

B.Tech., Computer Science with Specialization in AIML — VIT Chennai   Aug 2023 – May 2027

CGPA: 7.92/10   —   **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Machine Learning, DBMS, Operating Systems, Computer Networks

Senior Secondary (Class 12) — CBSE   2021

Percentage: 77.6%

Secondary (Class 10) — CBSE   2019

Percentage: 83.4%

Core Skills

Programming Languages	C++, Java, Python, JavaScript
Frontend Development	React, HTML5, CSS3, ES6+, Responsive UI, Accessibility (WCAG)
Backend & Databases	Node.js, REST APIs, MySQL
Software Engineering	OOP, DSA, Git/GitHub, Agile Development, Unit Testing (JUnit, PyTest), Code Reviews
Cloud/DevOps	AWS (S3, EC2), Linux, CI/CD Basics

Projects & Achievements

VocalDoc — AI Healthcare Communication Platform (3rd Place, CodeZilla Hackathon)   Live Demo

React, Node.js, Web Speech API, Translation APIs

- Built a multilingual doctor–patient bridge with real-time voice and text translation (~90% accuracy).
- Deployed on Vercel; showcased at hackathon finals for improving healthcare accessibility.

Password Hashing Website (2023)

React, Node.js, Cryptography Libraries

- Created a password hashing system with multiple algorithms (SHA-256, SHA-3, bcrypt).
- Evaluated algorithm performance and brute-force resistance through benchmarking.

College Event Management System (2023)

React, Node.js, MySQL

- Built an event scheduling and student registration platform for college use.
- Improved coordination efficiency by digitizing manual workflows.

Parallax Website (2022)

HTML, CSS, JavaScript

- Developed a parallax-scrolling website with smooth animations and optimized performance.

Leadership & Extra-Curriculars

- Participated in multiple **Kaggle ML competitions** (predictive modeling, data analysis).
- Volunteer, College Tech Community — conducted workshops on React and Web Development.
- Committee Member, **Sports & Healthy Life Club** — led initiatives for 200+ students, promoting teamwork and well-being.
- Languages: English (Fluent), Hindi (Native).