

# Pratham Shah

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## SUMMARY

Innovative and driven Computer Science student with hands-on experience in full-stack development using the MERN stack. Expertise in backend development with Node.js and Express, cloud platforms like AWS. Strong problem-solving abilities honed through multiple hackathons and project-based learning. Aiming to leverage my knowledge of programming to contribute to the dynamic team.

## EXPERIENCE

### Abhinandan Mountreea

*Freelance Frontend Developer*

Dadra, India

*Jul. 2025 – Sep. 2025*

- Designed and improved a fully responsive real estate website for [Abhinandan Mountreea](#), showcasing premium properties with an elegant, high-performance UI.
- Applied parallax scrolling, micro-interactions, and optimized image loading (WebP, lazy loading) for a luxury browsing experience.
- Collaborated directly with the client to align design language and branding, ensuring accessibility, responsiveness, and SEO-friendly deployment.

## EDUCATION

**MIT Art Design and Technology** B.Tech Computer Science 4th Year

Aug. 2022 – Jun. 2026

**Higher Secondary — Pace Junior Science College Andheri**

Jul. 2019 – Aug. 2021

**ICSE — Vapi Public School**

Jun. 2010 – May. 2019

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Java

**Frameworks:** React, Node.js, Express, Next.js, TailwindCSS, GSAP

**Cloud:** AWS (EC2, S3), Deployment, IAM, GCP

**DevOps Tools:** Git, Vercel

**Databases:** MongoDB, SQL

## PROJECTS

### Distributed File Storage System

*Node.js, AWS S3, MongoDB*

July 2025

- Designed and developed a scalable distributed storage system on AWS, using EC2 instances and S3 buckets.
- Implemented fault-tolerant architecture, ensuring high availability and low cost of operation.

### GeeksforGeeks Student Club Website

*Next.js, React, Tailwind CSS*

Jan 2025 – May 2025

- Live:** <https://www.gfgmitadt.in>
- Enhances a responsive platform for hosting college club events and activities.
- Integrated curated academic content linked to official GeeksforGeeks resources.
- Enhanced UX and SEO using Next.js and modern frontend best practices.

### FinChess Strategy

*React, TypeScript, Vite, Tailwind CSS, Chess.js, Custom Rule-Based AI*

Aug. 2025 - Present

- Developed an interactive web-based financial education game integrating **chess mechanics with real-world financial logic**.
- Engineered a **rule-based AI system** simulating market forces, risk assessment, and contextual financial mentorship without external APIs.
- Implemented **custom financial impact models** for each chess move to teach liquidity, risk, and portfolio management concepts.
- Simulated **market volatility and adaptive feedback** through in-browser AI for real-time, gamified learning.

## CERTIFICATIONS AND COURSES

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**AWS Academy Cloud Foundations** | [Certificate](#)

**IBM Full Stack Software Developer** | [Professional Certificate](#)

**Google AI Essentials** | [Certificate](#)

**Google Project Management** | [Professional Certificate](#)

**Accenture Software Engineering Job Simulation (Forage)** | [Certificate](#)

**IBM Introduction to Machine Learning** | [Certificate](#)