Pankeet Manubarwala

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EDUCATION

B.Tech in Computer Science & Engineering (IoT Specialization)

G.H. Patel College of Engineering & Technology   Sept 2022 – Jul 2026

Current CGPA: 9.20 / 10.00

Last Semester GPA: 9.61 / 10.00

Coursework Highlights: Data Structures, Algorithms, Web Development, Operating Systems, Computer Networks

EXPERIENCE

- **Intern at Brainy Beams, Ahmedabad**   *May 2025 – Jun 2025*
  - Delivered an end-to-end application and **2** technical modules with production-level coding standards.
  - Followed clean coding practices, version-controlled workflows, and documented development lifecycle using **Git**.
  - Worked in real-world environments with **deadlines** and structured review cycles.

ACHIEVEMENTS

- **State Winner – Best Business Idea Contest (BBIC):**   2025
  - Selected as the **only team from our college** to qualify for the state-level round; secured the **1st position** among **15 teams** and received a **15,000** cash prize.
  - Proposed an **innovative energy model** to replace coal for meeting India's growing power needs, evaluated by a panel of experts with over **20 years** of experience.
- **IEEE Member:**   2022- 2023
  - Served as a member of the Institute of Electrical and Electronics Engineers. Actively participated and organized technical **seminars and hands-on workshops**.
  - Organized and managed a 4-day technical event with **500+** participants. Coordinated logistics, promotions, and execution with a cross-functional team.

TECHNICAL SKILLS

- **Languages:** C++, JavaScript, TypeScript, Java, HTML5, CSS3, Python
- **CS Fundamentals:** Data Structures, Algorithms, RESTful APIs, MVC Architecture, JWT Auth, Socket Programming
- **Web Development:** React, Node.js, Express, Next.js, Tailwind CSS
- **Databases:** MongoDB, PostgreSQL
- **Tools & Platforms:** Git, GitHub, Postman, Docker (basics), Figma, VS Code, Excalidraw

PROJECTS

- **NeuroNest | GitHub**   *TypeScript, React, Express, TailwindCSS*
  - Built a fully typed REST API with strict TypeScript typings, ensuring **100%** end-to-end type safety and reducing integration bugs by $\sim$ **40%**
  - Optimized application performance to a **96%** Lighthouse score, reduced LCP to **<1.4s**, and ensured **92%** Best Practices compliance for enhanced user experience
- **Socket Talk | GitHub**   *ReactJS, TailwindCSS, NodeJS, WebSockets*
  - Deployed on Vercel (Frontend) + Render (Backend), ensuring continuous integration and delivery with over **99%** uptime post-deployment.
  - Engineered WebSocket-based real-time session management supporting **500+** concurrent users with minimal latency
- **IvyAcademy | GitHub**   *MERN Stack, TailwindCSS*
  - Built and deployed a scalable LMS platform providing a **100%** responsive experience across **10+** device dimensions with pixel-perfect layouts on desktop, tablet, and mobile.
  - Achieved application performance to a **99%** Lighthouse Performance score with **91% Accessibility** and **92% Best Practices**, delivering a fast, stable, and user-friendly experience.
- **Zerodha Clone | GitHub**   *MEAN Stack*
  - Performed load testing with **20 concurrent virtual users**, achieving a peak throughput of **590.75 hits/sec**, an average response time of **32.65 ms**, and a bandwidth of **1.72 MiB/s** under simulated traffic.
  - Achieved a **99%** Lighthouse Performance score with **100% Accessibility**, **96% Best Practices**, and **100% SEO**.