Aditya Panchal

✉ panchaladi1010@gmail.com 📞 8320846640 in Linkedin ⬤ Github </> Codeforces

Education

- **National Institute of Technology, Surat**
  *Bachelors of Technology in Computer Science and Engineering — **CGPA: 7.27*** 2023 - Present

- **RMG Maheshwari English School**
  *XII (CBSE) — **Percentage: 83.60%*** 2023

- **Aditya Birla Public School, Kharach**
  *X (CBSE) — **Percentage: 95.80%*** 2021

Experience

- **ISTE Gujarat Awards Portal (Government Project Ongoing)** *June 2025 – Present*
  Full-Stack Development Intern – Web Demo Link ↗

  ○ Developed secure authentication with NextAuth, role-based access, and in-house OTP verification, enabling member registration via membership numbers.

  ○ Designed dynamic, award-specific nomination forms with Supabase backend, file uploads via Cloudinary, PDF generation via pdf-lib, and email notifications through Nodemailer.

  ○ Built admin dashboard for managing award submissions with filtering, duplicate-prevention, and maintenance mode.

Projects

- **WeGrow** *Jul. 2024 - Aug. 2024*
  Web Wonders - 2024 conducted by Nexus NIT, Surat Website ↗ — GitHub ↗

  ○ **WeGrow Platform:** Developed a **group investment platform** enabling collaborative investments across various sectors with diversified options.

  ○ **Tech Stack:** Built with React, Next.js, TypeScript, and MongoDB. **Integrated Clerk** for secure authentication and seamless database management.

- **Gesture-Controlled Robot Movement** *2025*
  AI Project - 4th Semester Github ↗

  ○ Developed a **gesture-controlled robotic system** interpreting hand gestures to control robot movements, enhancing human-machine interaction.

  ○ **Tech Stack:** Arduino, OpenCV, Mediapipe, Python, ML. **Hardware:** Arduino UNO, L298 Motor Driver, HC-05 Bluetooth, Robot chassis, 12V battery.

- **Bindi's Cupcakery Website** *2025*
  Web App for Local Business - GWOC Competition Github ↗

  ○ Built a **full-stack web application** for a Surat-based bakery, enabling online ordering and management.

  ○ **Tech Stack:** Next.js (TypeScript), MongoDB. Integrated Twilio for OTP authentication and WhatsApp messaging, hosted on Vercel.

Skills

Computer Languages: Python, C, C++, HTML5, CSS, JavaScript, MySQL
Libraries and Frameworks: ReactJS, NextJS, GSAP, ExpressJS, Tailwind CSS, OpenCV, NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, Scikit-learn, Keras, Mediapipe
Tools: Visual Studio, Github, Cursor, LaTeX, Docker
Databases: MongoDB, MySQL, Supabase, Firebase
Operating System: Windows, Linux (Ubuntu), MacOS
CS Fundamentals: Data Structure and Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks, AI/ML

Achievements

- NTSE Scholar amongst 8 lakhs participants. *2021*
- **Web Wonders - Finance,** ↗ Finalists among 40+ participating teams. *2024*
- Completed Google Study Jam (Gen AI) *2024*

Positions of Responsibility

- **Finance and Doc Head,** E-Cell, NIT Surat *April. 2025 - Present*
- **Co-Head,** MindBend, Techno-Managerial Fest, NIT Surat *Dec. 2024 - Present*
- **Junior Software Developer,** Google Developer Groups On Campus, NIT Surat *Nov. 2024 - Present*