# NAVDEEP R

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## EDUCATION

**Chennai Institute of Technology** <div align="right">Chennai, India</div>
*Bachelor of Education in Computer Science* <div align="right">*2024–Present*</div>

## EXPERIENCE

**Web Developer Intern** <div align="right">May 2025 – July 2025</div>
*Zyre Home Automation* <div align="right">*Remote*</div>

- Contributed to the design, development, and testing of responsive web applications using modern frontend libraries and component-based architecture, emphasizing modular and maintainable code
- Enhanced website performance and mobile responsiveness by implementing optimization strategies and efficient resource handling
- Supported deployment of web projects to cloud hosting platforms, ensuring seamless delivery pipelines and production-readiness

## PROJECTS

**Googol Test Cheating Detector (GTCD)** | *Python, OpenCV, CustomTkinter, Google Gemini API*

- Architected and implemented an AI-powered proctoring system to monitor exams in real-time, detecting window switches, keyboard shortcuts, and visual attention deviations
- Integrated face and eye-tracking with OpenCV Haar cascades to flag suspicious behavior and trigger multi-level alerts (visual, auditory, log)
- Leveraged Google Gemini API to generate automated integrity reports, exporting PDF summaries via FPDF

**TimePass** | *React, Node.js, Express, WebSockets, HTML/CSS*

- Built a dynamic portal featuring 5+ mini-games with real-time scoring and global leaderboard powered by WebSockets
- Designed secure login and authentication flows, ensuring session management and data privacy
- Implemented RESTful APIs for game state and user management, persisting data in PostgreSQL

**Chat System** | *HTML, CSS, JavaScript*

- Developed a responsive web chat interface with custom styling and dynamic message rendering
- Implemented client-side messaging logic to send, receive

## TECHNICAL SKILLS

**Languages**: Python, C/C++, Java, JavaScript, SQL (PostgreSQL), HTML5, CSS3
**Frameworks & Libraries**: React, Node.js, Express.js, WebSockets
**Developer Tools & Platforms**: Git & GitHub,Figma, Google Cloud Platform, Netlify, VSCode, Visual Studio, PyCharm, IntelliJIDEA, Eclipse

## ACHIEVEMENTS & CERTIFICATIONS

Achieved a competitive LeetCode rating of **1630** (navdeep90), demonstrating advanced algorithmic problem-solving and consistent mastery in data structures and dynamic programming

Secured a Codeforces rating of **1049** (NAVDEEP009), reflecting strong aptitude in real-time competitive programming under constrained environments

Ranked among the top **9.2% (550 out of 6,000 participants)** in the highly competitive CodeClash: Battle of Algorithms, showcasing strong algorithmic problem-solving under pressure.

Completed the *AI Fundamentals* certification from IBM via cisco (view credential), gaining foundational knowledge in artificial intelligence concepts including machine learning, neural networks, and ethical AI practices

Completed the *Introduction to Cybersecurity* course via Credly (view credential), acquiring foundational skills in security principles, threat models, and secure systems design

Obtained the *Introduction to Data Science* certification via Credly (view profile), gaining proficiency in data handling, visualization techniques, and basic machine learning pipelines