

Zarrar Peshimam

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EDUCATION

Sardar Patel Institute of Technology, Mumbai, India
B.Tech CSE, Expected June 2027 (Computer Science and Engineering)

CGPA: 8.49 (til 4th sem)

PROJECTS

TLE Case Generator (Chrome Extension + MERN Portal) | HTML, CSS, JS, Tailwind, MERN

Link: <https://tle-case-generator-site.vercel.app> | Github: <https://github.com/ZarrarPeshimam/TLE-Case-Generator-Extension>

- Built a Chrome extension to automate test case generation, reducing manual input creation time by **80%** for developers.
- Added configurable variable types (number, string, array, boolean) with custom constraints (min/max, size, uniqueness, patterns).
- Developed a full-stack MERN download portal for extension distribution, demo videos, analytics (downloads & visits), and user feedback collection.

NutureWell - Maternity Community Website | Next.js, TailwindCSS, Jitsi Meet API

Link: <https://nurturewell.vercel.app> | GitHub: <https://github.com/shivenrshukla/Maternity-Help>

- Developed patient and client registration/login flows with secure PDF uploads for doctor verification.
- Integrated Jitsi Meet API to enable secure, real-time video consultations between doctors and patients, improving remote healthcare accessibility.
- Designed and implemented a responsive blog section using Next.js and TailwindCSS to facilitate community sharing and user engagement.

Salary Predictor Website | Python, scikit-learn, React, CSS, Flask, Chart.js

Link: <https://salary-predictor-three.vercel.app/> | Github: <https://github.com/ZarrarPeshimam/Salary-Predictor>

- Preprocessed data, engineered features, and trained a Random Forest model on a Kaggle salary dataset using Google Colab.
- Built backend with Flask to serve predictions, including One-Hot Encoding and scaling of user inputs.
- Developed a responsive React frontend with interactive Chart.js visualizations and dynamic job-title search for improved user experience.
- Added loading states to handle backend delays, ensuring smooth and reliable interaction.

OPEN SOURCE CONTRIBUTIONS

SSoC 2025 – ThinkDSA(AI-powered DSA Learning Platform) | GitHub PR: [Link](#)

- Implemented a “Generate Questions” feature using Gemini API to auto-fetch topic-specific Leetcode type problems with difficulty and quantity selection
- Built modal UI and integrated frontend with backend API for dynamic question generation.
- Parsed API responses into structured question lists, handled duplicates, and stored questions locally.
- Delivered end-to-end feature across frontend, backend, and utilities, enhancing usability and real-world problem-solving experience.

GSoC 2025 – Codeforces Quest(CP Code Editor Extension) | GitHub PR: [Link](#)

- Added multi-language default boilerplate templates (C++, Java, Python, JS, Kotlin, Go, Rust, Ruby) for new problems.
- Integrated templates into frontend with auto-loading, smart cursor placement, and localStorage fallback, improving productivity and user onboarding.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, SQL, HTML, CSS, C++
- **Frameworks & Libraries:** React.js, Node.js, Express, Flask, Tailwind css, scikit-learn, NumPy, Pandas
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Machine Learning:** Supervised Learning (Regression, Classification), Data Visualization(Matplot, Seaborn)
- **Tools:** Git, Postman, Google Colab, VS Code, Jupyter Notebook

POSITION & RESPONSIBILITIES

Alumni Relation Cell - Creatives Team | Sardar Patel Institute of Technology – 2024-25

- Created visually appealing posters and social media posts to publicize alumni events and updates.
- Played a key role in coordinating and managing alumni reunion events, ensuring smooth execution and high participation.

ACSES Committee - Creatives Subcommittee member | Sardar Patel Institute of Technology – 2023-24

- Designed promotional materials including event posters and teaser videos using Canva tools.
- Assisted in event management and coordination, contributing to the successful execution of tech-cultural events.

CERTIFICATIONS

IBM AI/ML Virtual Internship (2025) – Completed modules and submitted capstone ML project (Salary Predictor)

HONORS AND AWARDS

- Advanced to **Round 2** of Codefolio (Portfolio Contest) - **Top 60 among 200** participants
- Ranked **5th out of 200+ participants** in Code Housie (Competitive Programming).
- Qualified for **Code Uncode Regionals 2025 (CP, Top 300 among 1000+ participants)**
- **Contributor**, Social Summer of Code 2025 And GirlsScript Summer of Code 2025 (Open Source)
- Rank 1st in School (12th Grade)