

Shreshth Tarwey

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SKILLS

- **Languages:** C/C++, Python, JavaScript
- **Frameworks:** HTML, CSS, React.js, Node.js, Express.js, Flask
- **Database:** MongoDB
- **Soft Skills:** Problem-Solving, Teamwork, Adaptability, Ownership

PROJECTS

Teer Brand – Full Stack E-commerce Platform | [GitHub](#) Dec' 25

- Architected a scalable e-commerce solution using the MERN stack for a local brand.
- Integrated Razorpay for secure transactions and utilized JWT for robust authentication.
- Optimized UI performance by implementing Framer Motion for lightweight animations, reducing asset load size by ~30% compared to traditional video-based backgrounds.
- **Tech:** React.js, Node.js, Express.js, MongoDB, Razorpay, Framer Motion.

Sarathi – AI-Powered Platform for Accessible Education & Communication | [GitHub](#) Oct' 25

- Engineered a hybrid voice control system that reduced latency by ~70% (7s to 2s) by shifting navigation and form-logic to the Frontend (React + TypeScript).
- Developed a Python/Flask backend with Gemini API for Q&A fallback and implemented multi-channel SOS alerts (Email/SMS/Call) with geolocation via Twilio/SendGrid.
- Developed a Virtual Braille Keyboard using TypeScript for accessibility-dependent users.
- **Tech:** Python, Flask, Gemini API, React, TypeScript, Twilio, SendGrid, Web Speech & Geolocation APIs.

EcoTrust – Fake News Detection Web App | [GitHub](#) Jul' 25

- Built a fake news detection app using NLP and AI, achieving 90% accuracy on 50+ articles.
- Extracted keywords via KeyBERT/spaCy and used Google Search API to score credibility.
- Built a dual-API search system (SerpAPI + Google CSE fallback) ensuring high availability and result coverage during news verification.
- **Tech:** Python, Flask, HTML, CSS, JavaScript, Sentence-BERT, KeyBERT, spaCy, SerpAPI, Google Custom Search API, Gemini API.

TRAINING

AICTE-Shell Internship – AI with Green Technology | [GitHub](#) Apr' 25

AI & Deep Learning Trainee

- Completed a 4-week AICTE-Shell internship on the theme of AI for Green Technology.
- Contributed to “Forest Fire Detection Using Deep Learning” for early wildfire detection.
- Explored concepts in AI, deep learning, and real-world applications using Python and Google Colab.
- **Tech:** Python, CNN, Deep Learning, Google Colab, Image Classification.

CERTIFICATES

- Introduction to Programming in C | [NPTEL](#) Apr' 24
- OCI 2025 Certified Generative AI Professional | [Oracle](#) Sept' 25
- The Bits and Bytes of Computer Networking | [Google](#) Sept' 24

EXTRA-CURRICULAR ACTIVITIES

- Winner – Paranox 2.0 National-Level Hackathon Nov' 25
- 2nd Runner Up – Tech Synergy 1.0 Coding Competition Oct' 24
- Finalist (Top 30) – Zinnovatio 3.0 Hackathon, Chandigarh University Oct' 25
- Finalist – Hackatron, IITM Gwalior Oct' 25

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science & Engineering; **CGPA: 8.5/10** Aug' 23 – Aug' 27
- **DAV Public School** Ranchi, Jharkhand
Senior Secondary; **Percentage: 73.8%** Apr' 21 – Mar' 22
- **Grizzly Vidyalaya** Koderma, Jharkhand
Secondary; **Percentage: 87.8%** Apr' 19 – Mar' 20