

PRANSHU PARASHAR

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EDUCATION

Army Institute of Technology

B.E in Computer Engineering

- Cumulative GPA : **8.7/10.0**

Pune , Maharashtra

Sep 2022 – Jul 2026

WORK EXPERIENCE

Fullstack Developer Intern

April 2025 - June 2025

Adhyatmic

Remote

- Optimized API response times by designing and implementing new RESTful APIs using Node.js and Express.
- Assisted in developing a content-sharing blog platform focused on spiritual topics and user engagement.

PROJECTS

Test Me

([Try it here](#))

- TechStack:** React, TypeScript, TailwindCSS, Node.js, Express, MongoDB, JWT, Gemini API
- Built an AI-driven personalized learning platform that generates dynamic practice tests tailored to user preferences and choices.
- Integrated a React + TypeScript frontend with TailwindCSS for a responsive UI and a Node.js backend with MongoDB for secure data storage and analytics.
- Leveraged the Gemini API for AI-powered question generation and JWT for secure user authentication.

SnackPay Bot

([Try it here](#))

- TechStack:** Node.js, Telegraf (Telegram Bot API), Cashfree Payments API, Axios, MongoDB, Webhooks
- Built a Telegram bot for canteen orders using Telegraf, automating dynamic payment amounts and secure payment links via Cashfree API, handling 500+ orders daily.
- Integrated MongoDB for persistent order management, reducing order retrieval time and efficiently storing user orders and payment details.
- Developed Node.js backend logic with webhooks, REST APIs, and Axios for real-time payment updates and seamless gateway communication.

Secure Call

([Try it here](#))

- TechStack:** React, WebRTC, Socket.IO, Node.js, Express, MongoDB, FFmpeg, Cloudinary, Google Speech-to-Text API, Google Generative AI, Fine-tuned BERT
- Developed a secure, real-time voice calling application enabling peer-to-peer audio communication with robust user presence and signaling via WebRTC and Socket.IO
- Implemented automatic call recording with cloud-based audio processing using FFmpeg and Cloudinary, paired with multi-language transcription via the Google Speech-to-Text API.
- Enhanced security by integrating AI-driven scam detection—refining transcriptions through Gemini AI and a fine-tuned BERT model to identify potential fraud in real time.

TECHNICAL SKILLS

Programming Languages

C/C++, Javascript , Typescript

Database

Firebase, MongoDB, MySQL

Frontend Technologies

React,NextJS,Material UI,Chakra UI

Backend Technologies

NodeJS, ExpressJS

Deployment Services

Git, Github, Vercel, Render

ACHIEVEMENTS AND CERTIFICATIONS

- Secured **3rd position** in **DSA Craft Hackathon** organized by MKSSS's Cummins College of Engineering for Women, Pune. .
- SQL (Intermediate) Certificate** — HackerRank
Credential: hackerrank.com/certificates/9d766cfda6ad