Preyash Thakkar

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Education

Pandit Deendayal Energy University, Gandhinagar   Nov 2020 — May 2024
Bachelor of Technology, Computer Science   *CGPA: 9.19/10*

Technical Skills

Web Technologies: NodeJS, ReactJS, ExpressJS, MongoDB, HTML, CSS

Programming: Python (OpenCV, Socket.IO, YOLO Segmentation, PyMongo)

Additional Technologies: Microsoft Azure, AWS, Git, VMware, Docker, Cloudflare

Experience

WeHear Innovations Pvt. Ltd.   Jan 2025 — Present
Ahmedabad

- Built a MERN-stack audiometer system where administrators create camps, assign audiologists via login IDs, register patients, and conduct audiogram tests; all results persisted in MongoDB with automated report generation.
- Implemented BLE communication using ESP32 (Arduino) and Nordic nRF via Node.js (noble), incorporating DSP pipelines for Houston–Westlake and Bekesy pure-tone audiometry.
- Developed backend services for an inventory management system for Lenskart: designed RESTful APIs for stock tracking, order processing, and report generation.
- Managed Docker container builds and manual deployments on Azure VMs; configured Nginx reverse proxy; used Cloudflare for DNS, IP allocation, and domain management.

Marwiz Tech Pvt. Ltd.   Jan 2024 — Dec 2024
Vadodara

- Developed slot-based media playlists to manage brand and aggregate content; integrated RabbitMQ for at-least-once delivery and Redis pub/sub for task coordination.
- Built the WeConverse MERN-stack event management app: integrated Azure Translator Text and Google Cloud Speech-to-Text; leveraged WebSocket for multilingual support; containerized with Docker and deployed on Azure App Service behind Nginx reverse proxy.
- Used socket.io and Azure Translation Service in the chat module to enable in-app message translation alongside event transcription.

Projects

Snap Stream: Signage Interaction   Jun 2023 — Jul 2023

- Created a web application pairing digital signage displays with mobile filters for enriched engagement.
- Synchronized mobile inputs and display screens via WebSocket to improve responsiveness.
- Enabled in-app image capture and download for event attendees.

Pushtishangar E-commerce Website   Jan 2024 — Mar 2024

- Collaborated on a MERN-stack e-commerce platform, refining UX flows and performance.
- Built an admin panel in React for dynamic content updates and order management.

Certifications

- **Data Analytics with Python** (NPTEL)
- **MongoDB Developer and Administrator** (Simplilearn)