

SHELABH TYAGI

+91 - 8178297068 • Delhi, India • tyagishelabh@gmail.com

SKILLS

PROGRAMMING LANGUAGES

HTML, CSS, JavaScript, TypeScript, Python, C++, Solidity, SQL, Java.

FRAMEWORKS & LIBRARIES

React, Next.Js, Express.Js, FastAPI, Node.Js, JQuery, Bootstrap, Tailwind CSS, Redux, Zustand, Shadcn UI, Kotlin, Svelte.

AI/ML & LLM TOOLS

LangChain, LangGraph, Vercel AI SDK, OpenAI API, Pinecone, LLM Orchestration, Prompt Engineering.

DATABASES

PostgresSQL, MongoDB, MySQL, Firebase, Supabase, Mongoose.

DEVOPS & DEPLOYMENT

Vercel, Railway, CI/CD Pipeline, Docker, Git, GitHub Actions, AWS, Azure.

TOOLS & PLATFORMS

Prisma, Figma, Framer, Postman.

MISCELLANEOUS

Object-Oriented Programming (OOP), DBMS, REST API, Blockchain, Websockets.

SOFT SKILLS

Communication, Team Collaboration, English Proficiency

WORK EXPERIENCE

LEAPX.AI

Nov 2024 – Jun 2025

Frontend Developer

- Developed And Maintained 6+ **Major Frontend Modules** Including Analytics Dashboards, Lead Tracking Panels, And Report Editors, Used By Over 500+ Users.
- Built A Scalable Live Chat Interface Merged With AI Support, Reducing Average User Query Resolution Time By ~40%.
- Implemented 20+ **Complex Charts And Visualizations** Using React.Js And Plotly.Js, Leading To A 30% Improvement In Internal Reporting Accuracy.
- Integrated 50+ **REST And GraphQL Endpoints**, Streamlining Data Flow And Boosting Frontend API Response Efficiency By ~35%.
- Collaborated With Design And Backend Teams To Deliver **Bi-Weekly Product Updates**, Resulting In A 25% Faster Feature Release Cycle.

WEDME.AI

Jun 2024 – Nov 2024

Frontend Developer (Freelance)

- Created And Preserved 10+ **Mobile-Responsive User Interfaces** For An AI-Powered Wedding Platform Serving Couples And Vendors Across The U.S.
- Boosted Mobile Retention By ~50% Through Responsive Layouts And Performance Optimisations With Next.Js And Tailwind CSS.
- Blended **On-The-Fly APIs And Booking Tools**, Enabling Live Event Tracking And Vendor Communication Across The Platform.
- Delivered Consistent Code Quality Across Monthly Agile Sprints, Maintaining A 90%+ Feature Delivery Success Rate.

ADVOCATEALLY

Dec 2023 – Jan 2024

Full Stack Developer (Freelance)

- Devised A Scalable React.Js Web App Incorporated With Firebase, Enabling Lawyers To Manage Machine-Learning-Driven Chat Instances With Ease.
- Implemented CRUD Operations, Custom Chat Logic, And Authentication Flows That Improved Legal Consultation Workflows By ~30%.
- Gained Hands-On Experience With React Hooks, Props, And Instantaneous Backend Operations Using Firestore And Firebase Auth.

PROJECTS

DUCK – SMART SPEECH-AWARE VOLUME CONTROLLER

Python, Numpy, SoundDevice, WebRTCvad, CFFI.

- Developed An Intelligent Desktop Utility **That Monitors Live System Audio Output** And Detects Human Speech In Real Time Using **Webrtcvad, Sounddevice, And Numpy**.
- Innovated Custom Logic To **Automatically Lower System Volume** When Speech Is Detected And Raise It Back When The Speaker Stops, Simulating Smart Media Handling.
- Designed As A Prototype For **Automotive Environments**, Providing A Hands-Free Voice-Aware Audio Experience That Adapts To Human Interaction During Music Playback.
- Engineered End-To-End Speech Signal Processing Pipeline And OS-Level Volume Control Using Native Python Libraries And System Hooks.
- Positioned For Use In **AI-Enhanced Automotive Systems** And Smart Consumer Electronics.

ARI – TRAVEL CHATBOT

Express.Js, OpenAI API, Prisma, WhatsApp-Web.Js, QRCode-Terminal

- Streamlined A Production-Ready WhatsApp-Based Chatbot That Uses OpenAI Models To Help Users Plan Day-Outs, Discover Places, And Get Curated Travel Itineraries.
- Integrated OpenAI's GPT Models For Conversation Logic, Whatsapp-Web.Js For WhatsApp Automation, And Prisma ORM For Future Reservation/Logging Support.
- Handled 40+ Monthly Active Users, Providing Fast, Intuitive, And Personalised Recommendations Across Cities, Countries, And Themes (Romantic, Local, Food, Etc.).
- Designed A Modular Backend For Future Features Like Reservation Booking And Dynamic Trip Templates.

EDUCATION

COURSEWORK – Artificial Intelligence And Machine Learning

Completed Advanced Studies In Artificial Intelligence & Machine Learning (Chandigarh University)

CLASS 12TH – CBSE, PCM

2019–2020

Delhi Public School, Indirapuram, Ghaziabad – Percentage 86

CLASS 10TH – CBSE

2017–2018

Delhi Public School, Indirapuram, Ghaziabad – Percentage 94

NOTE

BEGAN PROFESSIONAL WORK AS A WEB DEVELOPER IN 2023, OPTING TO FOCUS ON REAL-WORLD PROJECT DELIVERY RATHER THAN COMPLETING A FORMAL DEGREE