

Rishabh Dwivedi

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SKILLS

Languages: Python, JavaScript, TypeScript, SQL

Database & ORM: Supabase, MySQL, PostgreSQL

Server & Technologies: FastAPI, NextJS, Django, Digital Ocean, Nginx, React, Flask, Docker, JWT, NodeJS, WebSockets

WORK EXPERIENCE

Webfries IT Solutions, Gurugram

Apr 2023 - Present

Full Stack Developer

- Developed comprehensive admin dashboards for an AI-powered debt settlement platform, featuring role-based access control, real-time analytics, and automated reporting systems with interactive data visualization
- Engineered an advanced AI assistant using LLM models and NLP techniques, achieving 95% accuracy in understanding and responding to user queries while maintaining context
- Implemented Generative AI capabilities for dynamic artifact creation, enabling the system to generate and maintain contextual responses, conversation summaries, and structured reports
- Built a robust multi-channel communication architecture integrating WebSocket connections and Ngrok tunneling, allowing seamless interaction through both web interface and Gmail
- Integrated OpenAI's Whisper model for speech-to-text conversion, enabling voice-based interactions and improving accessibility while optimizing response times using Groq's inference API
- Designed and implemented a scalable file storage system using Supabase and MinIO, handling secure file uploads, versioning, and efficient retrieval of attachments across conversations
- Developed a real-time notification system with bidirectional communication, ensuring instant updates and maintaining conversation state across different channels
- Established robust CI/CD pipelines using GitHub Actions, implementing automated testing, code quality checks, and seamless deployment processes

EDUCATION

SGT University

Aug 2019 - Jun 2023

B.Tech in Computer Science and Engineering

Royal Public School, Gurugram

Mar 2018 - Apr 2019

Higher Secondary (XII), Science

PROJECT WORK

- **Weather Dashboard (2023):** Created a personalized weather monitoring system integrating OpenWeatherMap API with real-time updates and location-based alerts. Technologies: NextJS, TailwindCSS, OpenWeatherMap API.
- **Personal Portfolio (2022):** Designed and developed a responsive portfolio website showcasing professional experience and technical skills. Features dark/light mode, responsive design, and contact form integration. Technologies: ReactJS, TailwindCSS, EmailJS.
- **Typing Speed Test (2022):** Developed an interactive typing speed testing application with real-time WPM calculation, accuracy tracking, and performance analytics. Implemented custom text generation and error highlighting. Technologies: HTML5, CSS3, JavaScript, Bootstrap, jQuery.

INTERESTS

- Football enthusiast with a passion for both playing and following professional leagues
- Avid reader with interests spanning technology, fiction, and personal development
- Piano player, exploring both classical and contemporary pieces

AWARDS AND CERTIFICATES

- Python Data Structures and Algorithms on Udemy
- Machine Learning and Deep Learning Specialization on Coursera