Nikhil Pahuja
SOFTWARE DEVELOPER

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SUMMARY:
Software Engineer experienced in backend systems and AI-powered applications using **Python** and **Node.js**, with skills in **LLM integration**, **RESTful APIs**, and Generative AI–driven workflows.

EXPERIENCE:

Software Developer – **Shephertz** | *July 2024 – Present*
- Developed and optimized **RESTful APIs** for W-Anywhere Platform using **Node.js**, **Express**, and **MongoDB**, improving response times by 20%.
- Built a tool to generate **Dockerized** microservices-based **CRUD RESTful APIs** across **Node.js** (Express, MongoDB) and **Python** (FastAPI, MySQL) stacks.
- Implemented **JWT authentication** and optimized RESTful APIs for Talent Anywhere Platform, enhancing data privacy.
- Enhanced deployment processes with **Docker**, reducing downtime and improving platform performance.

Developer Intern – **HERE Technologies** | *June 2023 – July 2023*
- Built and maintained web scraping tools using **Python** and **Scrapy** to collect **30+ Points of Interest** (POI) data for location-based services.
- **Automated data collection** processes, reducing manual intervention and ensuring more accurate **POI data** for the team's product offerings.

PROJECTS:

DataFlow − Database Migration Studio [[Link](#)]
Tech Stack: React.js, Tailwind CSS, FastAPI, Python, MySQL, PostgreSQL, MongoDB
- Built a web app to automate **MySQL** database migration to **PostgreSQL** and **MongoDB** with intelligent schema analysis and smart recommendations.
- Developed **automated type mapping** and relationship preservation, ensuring accurate and reliable data transfers.
- Delivered a clean, responsive UI and robust backend **RESTful APIs**, with seamless deployment on Vercel.

AriGato – Learn Japanese with AI [[Link](#)]
Tech Stack: React, TypeScript, Tailwind CSS, Shadcn/ui, Framer Motion, Web Speech API
- Built an interactive Japanese learning platform (JLPT N5–N1) with section-based navigation.
- Implemented **AI-powered** pronunciation (**Web Speech API**), spaced repetition flashcards, and a community forum with threaded discussions.
- Designed a responsive, animated UI (**Framer Motion + Tailwind**), integrated audio playback, and added gamification (XP system & achievement badges).

ExcelHire – AI-Powered Excel Interview Platform [[Link](#)]
Tech Stack: React, TypeScript, Tailwind CSS, FastAPI, Python, PostgreSQL, Groq AI, Docker
- Built an AI-powered platform for Excel assessments with conversational evaluations and adaptive questioning.
- Developed secure **RESTful APIs** with **FastAPI** and **PostgreSQL** for authentication, interview management, and **real-time AI processing** via **Groq LLM**.
- Deployed a containerized application with Docker, featuring role-based dashboards and automated PDF reports.

Finance Tracker – Backend Development [[Link](#)]
Tech Stack: JavaScript, Node.js, Express, MongoDB
- Engineered a backend for a finance tracking app with **real-time data processing**, secure **RESTful APIs** endpoints, and business logic using **Node.js** and **Express**.
- Integrated **MongoDB** for data storage and optimized queries for efficient performance.

TECHNICAL SKILLS:
- **Programming Languages**: JavaScript, Python
- **Backend Technologies**: Node.js, Express.js, FastAPI, MongoDB, JWT,Microservices Architecture
- **Tools & Version Control**: Git, GitHub, VS Code, Postman, Docker
- **Data Management**: PostgreSQL, MySQL, NoSQL Databases

EDUCATION:
UPES , Dehradun | Bachelor of engineering in computer science | 2020 - 2024 | CGPA - 8.02
Lions public school , Gurgaon | 12th grade | 2019 - 2020 | 80.4% (CBSE Boards)
Lions public school , Gurgaon | 10th grade | 2017 - 2018 | 71.6% (CBSE Boards)