UTKARSH SHARMA

Backend Developer with around **1 year** of experience, skilled in **Node.js** with frameworks like **Express** and **Hapi**.

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Education

Rajiv Gandhi Proudyogiki Vishwavidyalaya - SIRT Bhopal, India   **Aug'20 - Jun'24**
- Bachelor of Technology (BTech) in Computer Science & Engineering | CGPA: **8.41/10**

Work Experience

ExpertInAsia Private Limited - Indore, India | Backend Developer | On-site   **Jan'24 - Oct'24**
- Developed and deployed **REST APIs** using **Node.js** and **Express,** leveraging **MongoDB** for backend operations, and optimized API endpoints to achieve response times under **200ms** during initial testing phases.
- Proficient in building APIs using **the Node-Hapi framework** with a **MySQL 8.0** database, leveraged Hapi's modular design and strong plugin ecosystem to create efficient and maintainable backend service.
- Implemented **Swagger 3.1.0** for **API Documentation** simplified API usage and integration with comprehensive, interactive documentation.
- Utilized **cloud services** like **Firebase**, **S3 bucket**, **Sendgrid**, **SMTP**, and **Twilio** to enhance application functionality.

Pratibha Global Private Limited - Indore, India | Frontend Developer Intern | Hybrid   **Apr'23 - Jun'23**
- Utilized **Next** and **TailwindCSS** to implement performance optimization, including code splitting and image compression, resulting in a **25% reduction** in page load time and an improved **user experience**.
- Optimized the **website's performance** by **30%**, ensuring it worked better for users and increasing **user engagement**.

Skills

Language - Javascript
Backend Technologies - Node.js (Express and Hapi Framework)
Frontend Technologies - HTML5, CSS3, Tailwind CSS, Next.js
Databases - MongoDB**,** MySQL
Tools & Platforms - AWS (EC2, RDS, S3), Azure (App Service, App Logics, Monitor Agents, VNet, VMs), SendGrid, Twilio, Postman, Swagger, Redis, RabbitMQ, Git & Github

Projects

EdTech Platform
- Built **login authentication** for instructors, **course sharing** feature, and integrated **Google Translation API** for multi-language course content using **Hapi framework v17** and **MySQL**.
- Configured **2-3 microservices** for the auto-creation of courses, and email services such as **Mailgun** with cloud storage on **DigitalOcean** for enhanced scalability.

Deal Management System
- Contributed to a project that used **Express framework** and **MongoDB**, connecting **3** different **user** roles for **land deals**, involving **brokers**, **investors agents**, and **admin** roles, facilitating seamless transactions.
- Managed **event scheduling** by the admin for **investor agents**, enabling the creation of **single** or **recurring events** on more than **20** dates were applied using **cron jobs** for efficient automation.

Skill Tracking and Ranking Services
- Developed a student ranking platform using **Express framework** and **MongoDB**, utilizing **third-party APIs** to access students' performance in multiple tests, assign **4-5** unique **badges**, and suggest career paths in **tech** and **non-tech** fields.
- Enforced a **subscription-based service** allowing companies to access a list of top **100** ranked students based on skill assessments for job or internship opportunities.

Giphy Loader Website
- Crafted "**Giphy Loader**" website using **Next.js v13** and **Tailwind CSS** for an interactive user interface.
- Incorporating **Firebase** for secure authentication, enhanced user access, and **data privacy** on the platform led to a **40%** reduction in **unauthorized access** attempts.