Shikhar Upadhyay

Indore, India | shikharishere.xyz

7489601293 | shikharupadhyay6@gmail.com | linkedin.com/in/shikharishere | github.com/shikharishere

SUMMARY

Computer Science graduate with strong development skills, versatile in multiple programming languages and databases. Bring a problem-solving mindset, adaptability, and experience in building and deploying scalable applications. Passionate about cloud computing and problem-solving, seeking opportunities to contribute technical expertise to innovative development teams.

EDUCATION

Acropolis Institute of Technology   Indore, India
Bachelor of Technology in Computer Science   *Dec. 2020 – Aug. 2024*

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python
Dev. Tools & Testing: Git, Github, Maven, Postman, JUnit, Jest
Databases: MongoDB, DynamoDB, PostgreSQL, Redis, Elasticsearch
Cloud & DevOps: AWS(EC2, S3, Opensearch etc.), Docker, Kubernetes
Frameworks & Libraries: Node.js, Spring Boot, React.js, Express.js, GraphQL, Nginx
Core Concepts: Data Structures and Algorithms, Object Oriented Programming, Design Patterns

PROJECTS

Waylo | *Typescript, DynamoDB, GraphQL, Next.js*   Jan. 2025
- Waylo is an advanced trip planning application developed using TypeScript
- Waylo is powered by a ApolloServer-Express based GraphQL API.
- At the backend, GraphQL API works with DyanmoDB using AWS SDK.
- Used AWS S3 for scalable storage and CloudFront for secure, low-latency file delivery.
- Added Magic Link authentication, integrated via NextAuth, provides a easy and fast user experience.

Spendio | *Spring Boot, Docker, Next.js, Nginx, Redis*   Sept. 2024
- Developed Spendio using Next.js, Tailwind CSS, Shadcn, and Framer Motion for a dynamic, user-friendly UI.
- The backend is built with Spring Boot, using Redis for fast data retrieval and MongoDB for main data storage.
- Set up Nginx as a reverse proxy to efficiently route requests to the Spring Boot REST API.
- Deployed the frontend on Vercel and the backend in Docker containers on AWS EC2 for scalable hosting.
- Integrated Spring Security and Spring Data JPA for seamless connections to Redis and MongoDB.

Voterly | *Typescript, MongoDB, Express, Docker Swarm*   March 2024
- Voterly is an online app for creating and participating in polls on various topics.
- Utilized React, Tailwind CSS, and GSAP for dynamic UI/UX.
- The backend uses an Express-MongoDB REST API, with Postman for testing.
- The app includes a feed and search feature powered by AWS OpenSearch and MongoDB Change Streams for real-time updates.
- The REST API is deployed on a Docker Swarm cluster, using Nginx as a reverse proxy for the Express API.

ACHIEVEMENTS

- Solved over 500 Data Structures and Algorithm problems on LeetCode.
- Secured top rankings in LeetCode weekly contests, achieving 4400 and 6100 global positions.
- Earned 1st place in Major Projects during college with great teamwork and collaboration.