# Shiva Aleti

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## ABOUT ME

I am a *Node.js Backend Developer* with a strong foundation in MERN stack development and a passion for building scalable and efficient server-side applications. With expertise *in Node.js, Express.js, MongoDB,* and *PostgreSQL*, I specialize in creating *RESTful APIs*, authentication systems, and database-driven applications. I have hands-on experience in *full-stack* development, but my primary focus is on backend architecture, performance optimization, and secure API development. I enjoy solving complex problems, implementing best practices, and continuously learning new technologies to enhance my backend development skills.

## EDUCATION

**Bachelor of Science in Information Technology** July 2022 – April 2024
M. L. Dahanukar College of Commerce *GPA* 8.6/10 Mumbai, India

**Higher Secondary Certificate** July 2021 – March 2022
Greater Mumbai Education Society Mumbai, India

## WORK EXPERIENCE

**USES Inspiration Private Limited – Web Development Intern** July 2024 – Present
***Mumbai, India***
*WordPress Development, Web Development, API, Responsive Design, Time Management*

1. Increased development efficiency by 30% by creating a reusable TailwindCSS-configured project setup, reducing redundant work across multiple websites.
2. Improved website performance by 15% on desktop and 20% on mobile by optimizing images with WebP format using CloudConvert, reducing file sizes by 30% for JPEG/PNG and 60% for GIFs.
3. Enhanced SEO and loading speed by implementing optimizations based on Google PageSpeed Insights, leading to a 15% faster website performance.
4. Streamlined project structure, reducing setup time by 60% by establishing a standardized folder and file organization strategy for multiple projects.
5. Delivered projects 30% faster than deadlines by adopting an efficient work process and time management techniques.
6. Developed two email API services for frontend applications, enabling seamless message delivery with optimized performance.

## PROJECTS

**Secure Authentication API with OTP Verification using Node.js, MongoDB, and SMTP - Link**
*NodeJS, ExpressJS, JSON Web Token, Environment, Cors and SMTP*
- User Registration: Users sign up with a username, email, and password via /api/register.
- Password Security: Passwords are securely stored using JSON Web Token (JWT) signing.
- OTP Generation & Verification: On registration, an OTP is sent to the user's email, and verification is done via /api/register/otp.
- User Authentication: Verified users can log in with their email and password.
- Error Handling: Implemented robust error handling for cases like invalid email, incorrect password, and email already registered.
- Security Measures: Ensured secure password handling and OTP validation for authentication.

**To-Do List Application using Node.js, Express.js, and Scratch – Link**
*NodeJS, ExpressJS, Cors and Scratch*
- User Authentication: Users enter their email to start managing their to-dos.
- To-Do Management: Users can add, modify, and delete to-dos seamlessly.
- Date Restriction: Users can select today's or future dates; past dates trigger an "Invalid Date" error.
- Task Status Updates: Users can mark tasks as Pending, In Progress, or Completed.
- Error Handling: Implemented proper validation and error handling for incorrect inputs.

## SKILLS

**Programming Languages:** JavaScript, Python, MongoDB, SQL, HTML, CSS.
**Technologies & Tools:** Git, VS Code, MySQL, MS Excel, Vercel, OnRender, Netlify, React.js, Node.js, TailwindCSS, Bootstrap, MUI Components.
**Technical Skills:** Data Analysis, Error Handling, Object Oriented Programming, Data Structures and Algorithms, Website Development, Database Management System.