ALOK MISHRA

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EDUCATION

P.P Savani University (PPSU)   Surat, Gujarat
Bachelor of Science in Computer Science   May 2021-June 2025   CGPA: 8.5/10

TECHNICAL SKILLS

- **Programming Languages:** SQL, C, C++, Python, JavaScript, TypeScript,Golang
- **Databases:** SQL, MongoDB, PostgreSQL, MySQL
- **Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, Tailwind CSS, Hono, Bun
- **Tools & Platforms:** Git, GitHub, Notion, VS Code, Docker
- **Technologies:** REST APIs, Supabase, WebSockets,Cypress

EXPERIENCE

Patoliya Infotech   jan 2025-present
 MERN stack Developer   Surat-Gujarat

- Improved recruitment efficiency by 30% by implementing the **Questionnaires** feature in the Job module.
- Redesigned Dashboard API logic, achieving **10x faster data loading** and improved responsiveness.
- Refactored activity tracking, reducing server overhead by **50%** and enhancing real-time updates.
- Boosted job sourcing performance by **35%** by eliminating redundant API calls.
- Developed barcode generation in the Products module, improving inventory accuracy by **40%**.
- Enhanced Filter UI with React and Bootstrap, reducing task completion time by **25%**.
- Created **dynamic, reusable, and scratch-built test cases** for the Flix Order project, strengthening overall QA reliability.

PROJECTS

Cypress (Web Application) Github | Live
Technologies: React, Next.js, Supabase, Socket.io, AI Integration
- Designed interactive features within the note-taking platform to support remote teamwork; findings identified major issues previously leading to session disruptions and eliminated three primary causes of crashes through rigorous testing protocols.
- Implemented AI-driven template generation, boosting content creation productivity by 30%.
- Established secure user authentication using Supabase, optimizing backend processes for faster data retrieval and reducing latency by 20%.
- Enabled real-time collaboration with Socket.io, increasing user engagement by 40%.
- Developed a responsive, adaptive UI ensuring seamless performance and consistency across devices.

Devflow (Web Application) Github | Live
Technologies: React, Clerk, MongoDB, API Integration, AI Integration
- Directed the development of a community-driven platform that enabled over 1,000 developers to collaborate and share solutions; integrated AI capabilities for delivering fast, accurate answers within seconds.
- Crafted an intuitive front-end with React, enhancing user interface responsiveness by 35%.
- Incorporated Clerk for seamless user authentication and role-based access, improving user retention by 30%.
- Optimized MongoDB database performance to handle high traffic, increasing system scalability and improving data retrieval efficiency by reducing latency and improving throughput.
- Built a robust API layer to integrate backend services, ensuring seamless and efficient interaction with external systems and third-party APIs.

ACHIEVEMENTS

- **Open Source Contributions**: Contributed to GSSoC-24 Extend, enhancing projects like Flash-Fathom-AI (#37, #30) and Imagine_AI (#1235), and other projects like Photo-AI (#23), improving functionality, fixing bugs, and boosting user experience.
- Solved **600+ DSA problems** with a maximum rating of **1800+ on LeetCode** and **1660+ on GeeksforGeeks**, ranking in the **top 6% globally on LeetCode**.
- Achieved **Rank 6** in the **GeeksforGeeks institute leaderboard** at P P Savani University