MUSKAN AGARWAL

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PROFESSIONAL SUMMARY

Passionate Software Developer with hands-on experience in full-stack development (MERN, Java). Skilled in building scalable web applications, API integration, and performance optimization. Strong problem-solving abilities demonstrated by ranking AIR 1103 in GirlScript Summer of Code and a 500+ rating on CodeChef. Eager to apply technical expertise to real-world software development challenges.

EDUCATION

Bachelor of Technology (B.Tech) – Information Technology   2021- Present

Siliguri Institute of Technology, Siliguri (Avg CGPA:8.4 till 7th)

Coursework: Operating Systems, Computer Networks, Databases, Data Structures and Algorithms, SQL

TECHNICAL SKILLS

- **Frontend**: React.js, Next.js, HTML, CSS, JavaScript, TailwindCSS
- **Backend**: Node.js, Express.js, Java
- **Databases**: MongoDB, MySQL
- **APIs & Security:** REST APIs, JWT, OAuth
- **Version Control & Deployment:** Git, GitHub, CI/CD, Docker
- **Other:** Testing (Postman, Jest), Performance Optimization

PROJECTS

Food Delivery App   (MongoDB, Express.js, React.js, Node.js, JWT Authentication)

- Built a scalable food delivery platform with end-to-end user authentication (JWT).
- Developed and optimized RESTful APIs with 95% test coverage.
- Designed a responsive UI, ensuring 98% compatibility across devices.
- Improved API response time by 20% through query optimizations.

Sundown Studio Website Clone   (HTML, CSS, JAVASCRIPT)

- Replicated complex animations and transitions achieving pixel-perfect design implementation.
- Crafted responsive layouts with CSS Grid and Flexbox, optimizing design adaptability across all screen sizes.
- Optimized asset loading, improving First Contentful Paint (FCP) by 85%.
- Achieved perfect accessibility score through semantic HTML and ARIA attributes.

Blog Website   (React.js, Node.js, MongoDB, Express.js, TailwindCSS)

- Engineered a feature-rich blog platform with 100% CRUD functionality and a real-time comment system.
- Implemented server-side rendering (SSR), improving SEO and initial page load time by 40%.
- Integrated a rich text editor with image upload and Markdown support, enhancing content creation by 70%.
- Achieved 90% performance score on Google Lighthouse audit, streamlining load speed.

EXPERIENCE

Java Developer Intern|| CodSoft|| Remote   Sept. 2023 – Sept. 2023

- Designed and developed 4 Java applications, focusing on backend logic and performance optimization.
- Implemented error handling and unit tests, improving code reliability by 30%.
- Optimized database queries, reducing response time by 25%.
- Utilized Git for version control and documented code for maintainability.

CERTIFICATIONS and ACHIEVEMENTS

- AIR 1103 @GirlScript Summer of Code   2024
- Essentials of Postman API certification   2024
- 500 Difficulty rating by CodeChef   2024
- Technical English Certification by Nptel   2022

LANGUAGE PROFICIENCY

- **English:** Professional working proficiency (NPTEL Certified)
- **Hindi:** Native proficiency
- **Nepali:** Professional working proficiency