

# MUSKAN AGARWAL

agarwalamuskan248@gmail.com | LinkedIn | Github | +91-8944015010

## 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- 2025

Siliguri Institute of Technology-Siliguri, WB(Avg CGPA:8.39)

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

## TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, HTML, CSS, JavaScript, Tailwind CSS
- **Backend:** Node.js, Express.js, Java
- **Databases:** MongoDB, MySQL
- **APIs & Security:** REST APIs, JWT, OAuth
- **Automation & Tools:** n8n, Postman, Jest, Git, GitHub, Docker, CI/CD
- **Other:** Testing (Postman, Jest), Performance Optimization

## EXPERIENCE

Software Developer Intern|| Virtual Interactive Solutionz Private Limited||Siliguri, WB

June 2025 – Present

- Built client-facing platforms using React.js and Node.js.
- Integrated n8n for backend workflow automation, improving task handling efficiency by 40%.
- Leveraged AI tools to accelerate development cycles and streamline internal processes.
- Contributed to both frontend and backend improving code reusability and performance.

Java Developer Intern|| CodSoft|| Remote

Sept 2023 - Oct 2023

- Enhanced error handling and unit tests, improving code reliability by 30%.
- Optimized database queries, reducing response time by 25%.
- Used Git for version control and documented code for maintainability.

## PROJECTS

### Food Delivery App

(MongoDB, Express.js, React.js, Node.js, JWT Authentication)

- Orchestrated a food delivery platform with secure end-to-end authentication using 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.
- Streamlined asset delivery, enhancing First Contentful Paint (FCP) performance by 85%.
- Achieved perfect accessibility score through semantic HTML and ARIA attributes.

### Blog Website

(React.js, Node.js, MongoDB, Express.js, Tailwind CSS)

- 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%.
- Embedded a rich text editor with image uploads and Markdown support, boosting content creation efficiency by 70%.
- Attained a 90% performance score in Google Lighthouse by streamlining load time and resource usage.

## CERTIFICATIONS and ACHIEVEMENTS

- [AIR 1103 @GirlScript Summer of Code](#) 2024
- [Essentials of Postman API certification](#) 2024
- [500 Difficulty rating by CodeChef](#) 2023