

SAURABH GUPTA

Software Development Engineer (SDE) | CS Mock | IIT Kharagpur | Immediate Joiner

Bangalore | 9450174026 | saurabhguptait27@gmail.com | [LinkedIn](#) | [Portfolio](#) | 2+ yrs of exp

WORK EXPERIENCE:

CS Mock | Software Development Engineer | March 2022 – April 2024 | Noida, India

- Platform Development: Led the architecture and co-development of one major internal platform and three external platforms tailored for distinct use cases: internal operations, industry experts, job seekers, and partners. This initiative enhanced operational efficiency and stakeholder engagement.
 - Algorithm Engineering: Developed a backend scheduling algorithm that optimizes candidate-interviewer matchups based on over 19 parameters, achieving a 99th percentile latency of 102ms. This includes an integrated notification system enhancing real-time communications.
 - System Optimization Strategy: Implemented a scalable strategy to enhance system availability and performance, focusing on robustness and maintainability.
 - Technical Assessment and Workflow Optimization: Structured and revamped the technical assessment process streamlining the workflow stages. This restructure resulted in an 82% improvement in feedback response times.
 - Technical Proficiencies: Proficient in Javascript (React), Java (Spring), Node.js, MySQL, Redis, Nginx, Tailwind, Socket.io and CronJob, with extensive experience applying these technologies in diverse project environments.
 - Redeveloped a streamlined version of the CS Mock application as a hands-on project. Repositories: [Frontend](#) and [Backend](#). Project demo: [csmock.vercel.app](#)
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PROJECTS AND CERTIFICATIONS:

Videotube | Backend Development Project | April 2024 | [Repository](#)

- Developed core backend functionalities using Express.js and MongoDB, enabling video sharing, subscriptions, and interactive features like comments and likes.
- Implemented robust user authentication and authorization to secure access, and optimized backend operations to enhance performance and reliability.

PlayMe Music Player | Software Development Project | Dec 2023 | [Repository](#)

- Developed core functionalities for PlayMe Music Player, including track search, playback controls (play, pause), and a progress bar to enhance user experience.
- Refined user controls for PlayMe Music Player, implementing track navigation and volume adjustments to improve interaction.

Javascript Algorithms and Data Structures – Freecodecamp.org | [Certification](#) | Dec, 2023

SQL and Relational Databases – IBM Developer Skills Network | [Certification](#) | Jan, 2024

Introduction To Cloud – IBM Developer Skills Network | [Certification](#) | Jan, 2024

EDUCATION:

- IIT Kharagpur | M.Tech | June 2019 – May 2021 | CGPA: 7.6
 - JSSATE, Noida | B.Tech | June 2014 – May 2028 | PC: 76%
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TECHNICAL SKILLS:

Javascript, TypeScript, ReactJs, Next.js, Node.js, Express.js, HTML, CSS, Tailwind, Java, Python, MongoDB, SQL, Webpack, GraphQL, Docker, Redux, Sass/SCSS, AWS, REST API, OOP, Jenkins