

Gaurav Mangal

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EDUCATION

- Bharati Vidyapeeths College of Engineering** New Delhi, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.0 August 2020 - June 2024
- Rajikya Pratibha Vikas Vidhyalaya** New Delhi, India
Class 12th - CBSE Board; CGPA: 9.55 June 2018 - July 2019

SKILLS SUMMARY

- Languages:** Java, C, C++, JavaScript, HTML/CSS, SQL
- Frameworks and Libraries:** React.js, Node.js, Mongoose, Express.js, Bootstrap, jQuery, NPM
- Coursework:** Data Structures and Algorithm, OOPS, DBMS, Operating System, Computer Network

EXPERIENCE

- Bittech Today** August 2023 - September 2023
 - Software Developer Intern
 - Spearheaded the creation of web pages using React.js, resulting in a **30%** increase in average user engagement metrics
 - Collaborated with design and content teams to integrate information, contributing to a **20%** enhancement in page views
 - Conducted comprehensive testing, identifying and rectifying potential issues, achieving a **95%** bug-free deployment rate
 - Actively contributed innovative ideas in team meetings, fostering a culture of continuous improvement and ideation
- Infixin Technologies Private Limited** July 2022 - August 2022
 - Software Developer Intern
 - Developed optimized responsive web pages using JavaScript and jQuery, driving a **25%** increase in user engagement
 - Designed and implemented RESTful APIs with the MERN stack, resulting in a **40%** reduction in server response time
 - Conducted testing and resolution of **20+** bugs, leading to a **20%** improvement in application stability
 - Collaborated in a cross-functional team, delivering **4** critical projects on time and within budget

PROJECTS

- Sorting Visualizer (Advanced DSA, JavaScript, HTML, CSS)**
 - An interactive web application enabling real-time visualization of **5** sorting algorithms, enhancing user understanding
 - Leveraged JavaScript to create an intuitive user interface, enabling users to initiate and observe sorting algorithms
 - Integrated sections providing detailed insights into algorithm, fostering a deeper comprehension of their mechanics
 - Employed modern development practices, achieving a **30%** increase in code efficiency adhering to best coding standards
 - Project Link- <https://gaurav1021.github.io/sorting-visualizer/>
- Enoy (React, Pusher, NextAuth, Cloudinary CDN)**
 - Architected real-time messaging web application to ensure seamless messaging and optimise message latency
 - Developed a sleek and responsive UI that resulted in substantial improvements in user engagement and retention
 - Implemented secure credential authentication, integrating Google and Github authentication to streamline login process
 - Achieved file uploads with **20%** reduced transfer time, ensuring precise data submissions through client-side validation
 - Project Link- <https://messenger-ebon.vercel.app/>
- Vyayam (React, Tailwind CSS, Rapid-API)**
 - Directed full-cycle development of a scalable workout guide and planner application, overseeing all aspects of the project
 - Optimized performance, resulting in a **20%** improvement in rendering speed for a database of **3,000+** exercises
 - Implemented centralized state management for efficient data sharing and reduced code complexity for **20+** components
 - Successfully implemented dynamic search functionality, resulting in **60%** increase in search accuracy
 - Project Link- <https://vyayam.netlify.app/>

POSITION OF RESPONSIBILITY

- Technical Head, BVPCSI (July 2022 – Present)
- Vice Technical Head, EDUMINERVA (July 2022 – Present)

ACTIVITIES AND AWARDS

- Ranked **1st** in the College Coding Competition, showcasing superior problem-solving and coding skills
- National-level Finalist in Toycathon, a national-level competition focused on creating innovative solutions
- Won zonal-level debating competitions, demonstrating superior public speaking prowess and adept critical thinking
- Active participant in Entrepreneurship Development Cell, showcasing strong leadership and teamwork abilities
- Ranked in the top **7%** of JEE Mains 2020, demonstrating strong academic aptitude