

Bipin Kumar

Portfolio: [bipinkumarportfolio.vercel.app](#)

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Location: Hyderabad, India

LeetCode: [BipinKumar0608](#)

EXPERIENCE

- Software Development Engineer (SDE)** Jul 2024 – Present
Planful, Host Analytics — Hyderabad, India *Hybrid*
 - Architected an **Excel-like virtualized grid module** in **React.js** with keyboard-driven editing, undo-redo functionality, optimizing rendering with **React.memo** and **react-window**, achieving ~ 40% performance improvement for large datasets.
 - Modernized frontend by upgrading **Node.js (v12 → v22)** and refactoring deprecated **React classes** and **NPM packages**, improving build performance, maintainability, and security.
 - Designed and implemented **custom and conditional formatting** in the reporting module via **Spring Boot APIs**, enabling 10K+ users to quickly identify key insights and improving report readability.
 - Implemented a **progress-tracking mechanism** for data save operations using **Java async support and event-driven architecture**, enabling real-time visualization of the percentage of data persisted to the database and signaling completion without blocking API operations, improving responsiveness and efficiency.
- Software Development Engineer Intern (SDE Intern)** Jan 2024 – Jun 2024
Planful, Host Analytics — Hyderabad, India *Hybrid*
 - Enhanced frontend performance and usability by implementing **Figma-based UI components**, integrating **SyncFusion elements**, and building custom components for efficient rendering and smoother user interactions.
 - Upgraded **MongoDB data access layer (v3.10 → v4.12)** by replacing deprecated classes with driver-supported objects (**BasicDBObject, Bson, MongoClient**), improving compatibility, maintainability, and query performance.
 - Developed and integrated the **File Cabinet module** in Java (**Spring Boot**) with **MongoDB**, extending support from single to bulk operations (like/unlike, delete, move) for 5K+ users, enhancing API scalability and throughput.

PROJECTS

- Hostel Attendance Management System** Jun 2023 – Jul 2023
React.js, Node.js, Express.js, MongoDB, Bootstrap
 - Developed a **web application** to track student locations and record attendance based on room numbers.
 - Implemented **report generation and visualizations** for actionable insights in hostel management.
 - Designed and enforced **role-based access control**, ensuring secure data access and feature usability.
- Personal Portfolio Website** May 2022
React.js, JavaScript, Bootstrap
 - Built a **responsive personal portfolio website** to showcase professional skills, projects, and achievements.
 - Designed a **user-friendly interface with intuitive navigation**, ensuring a seamless browsing experience across devices.

EDUCATION

- Birla Institute of Technology** Ranchi, Jharkhand
Bachelor of Technology (B.Tech) in Information Technology — GPA: 8.67 2020 – 2024
- Delhi Public School** Bokaro, Jharkhand
Senior Secondary (12th), PCM — Percentage: 94% 2019 – 2020
- SRK DAV Public School** Suriya, Giridih, Jharkhand
Secondary (10th) — Percentage: 93.2% 2017 – 2018

SKILLS SUMMARY

- Languages:** C++, Java, JavaScript, SQL
- Frameworks & Tools:** Spring Boot, React.js, Bootstrap, SyncFusion, Git, TestNG, Mockito, MongoDB, MySQL
- Platforms & IDEs:** Visual Studio Code, IntelliJ IDEA, Fiddler, GitHub, JIRA
- Soft Skills:** Leadership, Problem Solving, Teamwork, Time Management, Quick Learner

ACHIEVEMENTS

- Top **6.27%** on LeetCode with a peak rating of **1839**.
- Active competitive programmer on Codeforces with a peak rating of **1310** and achieved **3-star** rating on CodeChef.
- Awarded **100% scholarship** in the 3rd year of B.Tech for academic excellence.

COURSEWORK

- Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Programming