

MAYANK PRATAP SINGH

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LINKS

Portfolio:// [mayankprtp](#)
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EDUCATION

KAMLA NEHRU INSTITUTE OF TECHNOLOGY

B.TECH IN INFORMATION TECHNOLOGY
2018-2022 | SULTANPUR, UP
CGPA: 8.2/10

CLASS XII (CBSE)

2017 | PERCENTAGE: 92.4%

COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System
- Computer Networks
- Graph Theory
- Operating System

SKILLS

LANGUAGES

• C++ • MySQL • JAVASCRIPT •
HTML/CSS • C • JAVA

TECHNOLOGIES

• NodeJS • ReactJS • AngularJS •
PostgreSQL • Mendix

OTHER TOOLS

• Git • Postman • Grafana •
VSCode

INTERESTS

- Sketching
- Badminton
- Table Tennis

EXPERIENCE

TATA CONSULTANCY SERVICES | SOFTWARE ENGINEER - DIGITAL

AUGUST 2022 - Present(1.5+ year) | Noida

- Restructured the **micro-services API** for incoming requests, resulting in **25 %** improvement in throughput.
- Integrated Oracle Database with PostgreSQL, seamlessly sync 10000 records daily.
- Improved query response time by **40 %** through database indexing, caching and query optimization techniques.
- Developed schedulers for notifications service using **Java** for Portal Dashboard and Utility application.
- Led a team of 13 developers, delivered new requirements from scratch to Production within time, exceeding client expectations.

Technologies Used: Java, JavaScript, PostgreSQL, SQL, Git, Agile

WISTELI INFORMATICS | SDE INTERN

DECEMBER 2021 – FEBRUARY 2022 | Noida

- Leveraged D3.js to build a real-time graph rendering engine, enabling seamless updates and responsiveness within the user dashboard.
- Restructured reusable Angular 8 components for the landing page, resulting in 10 % improvement in user engagement.

Technologies Used: Angular, JavaScript, Express.js, Node.js, Typescript

PROJECTS

CONNECTUS | NODE.JS, EXPRESS, MONGODB, SOCKET.IO, JAVASCRIPT

- Collaborated with 3 member team for final year project, Developed REST API for handling routing, database connectivity.
- Integrated Socket.io, Cloudinary, multer to upload images and MongoDB for database.
- Implemented a secure user authentication system using Passport.js.

TRAVELSNAPS | JAVASCRIPT, REACT.JS, NODEJS, EXPRESS, MONGODB

- Full stack application, allowing user to sign-up, login, post image, read, add comments, and check public posts added by others.
- Integrated **Google Map API** to display map of the places related to the image.
- Introduced authentication using JWT tokens, securing the application from fraud attacks.

AWARDS & ACHIEVEMENTS

- Secured **Global Rank 2537** in Google **HashCode** 2021 among 100,000 participants.
- Secured **Global Rank 91** in Codechef October Long Challenge among 20k participants.
- Highest Live Rating **1763** at Leetcode (Top 9%).
- Highest Live Rating **2053** at Codechef.
- Solved over **800 coding problems** on various coding platforms.
- Participated in Hack-36 Hackathon, 2021, positioned among top 20 participants out of 200+ submissions.
- Completed 43.5 hours of Web Development Bootcamp in MERN stack.