MAYANK PRATAP SINGH

Software Engineer

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EXPERIENCE

Systems Engineer
Tata Consultancy Services

📅 **Aug 2022 - Present(1.5+ yr)**   📍 **Noida, India**

- Created custom **Java actions** to implement complex **backend** functionalities, extending the platform's capabilities.
- Reduced manual data synchronization efforts by integrating **Oracle** Database using **JDBC**, seamlessly sync millions of records.
- Utilized **RESTful APIs** and other **OData** to ensure real-time data exchange among **microservices**.
- Developed extensive **microflows**, and dynamic **user interfaces** for **Portal Dashboard** and **Utility**.
- **Technologies Used:** Java, Javascript, SQL, Mendix

SDE Intern
Wisteli Informatics

📅 **Dec 2021 - Feb 2022**   📍 **Noida, India**

- Implemented components in **Angular 8** application, resulting in a **20% improvement** in page load times.
- Integrated **Angular Material** design principles, enhancing the overall user experience.
- **Technologies Used:** Angular, Express.Js, Node.Js

ACHIEVEMENTS

- Secured **Global Rank 2537** in Google **HashCode** 2021.
- Secured **Global Rank 91** in Codechef October **Long Challenge** among 20k Participants.
- Secured **Global Rank 1071** in **Leetcode Weekly**.
- 1763 Rating at Leetcode (Top 9%).
- **5 star** at Codechef **(max rated 2053)**.
- Solved over **600 coding problems** on various coding platforms.

TECHNICAL SKILLS

- **Programming Languages**
  - C++ • MySQL • JAVASCRIPT • HTML/CSS • C • Java
- **Technologies**
  - React.js • Angular.js • MongoDB • NodeJS • Express
  - Mendix • Git • PostGreSQL
- **Coursework**
  - **Object Oriented Programming** • Database Management
  - **Data Structures and Algorithms** • Operating System
  - Computer Networks
- **Other Tools**
  - VSCode • Postman • **Grafana**

EDUCATION

B.Tech. (IT) - 8.2 CGPA
Kamla Nehru Institute of Technology, Sultanpur

📅 August 2018 – 2022

Higher Secondary - 92.4%
Central Board of Secondary Education

📅 2017

Secondary - 9.4 CGPA
Central Board of Secondary Education

📅 2015

PROJECTS

CONNECTUS
- Developed back-end for a college social network website as my final year project.
- Used **Passport** for authentication, **Socket.io** for messaging, Cloudinary, and multer to upload images.
- **Technology used:** NodeJS, Express, MongoDB, Passport, Socket.io, Multer, and Cloudinary.

TRAVELSNAPS
- Developed fullstack application to allow user to post image, comment. The app integrates **Google Map API** to display map of the places added to the image.
- Used **JWT** tokens for authentication.
- **Technology used:** React.js, NodeJS, Express, MongoDB, JWT

3FTRIBE
- Implemented **CRUD** based cart system locally using **Local Storage** database
- The app integrates **Calendly** to support scheduling meetings with the client.
- It receives the form responses and helps in communicating with the client using **Email.Js**.
- **Technology used:** Email.Js, HTML, CSS, Javascript, Angular

LIBRARY
- Basic back End API for maintaining Books records.
- It allows basic CRUD operations in the application.
- It integrates with SQL servers to provide functionality of storing and reading data.
- Custom Service added for proper Error handling.
- **Technology used:** SpringBoot, Java, Maven, SQL