

KARSH TANDON

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EXPERIENCE

Product Engineer, Sprinklr

📅 July 2022 - Present 📍 Gurgaon

- Implemented a robust end-to-end feature of **polls** using **ReactJS**, **Java** and **MongoDB**, enhancing community engagement and facilitating data-driven decision-making.
- Optimized database performance through strategic query tuning, indexing and used **Elasticsearch** for improving APIs response time.
- Optimized application performance with in-memory **caching** and CDN-based strategies resulting in faster response times and an improved user experience.
- Leveraged **Graylog** for streamlined log analysis, enhanced system visibility and simplifying troubleshooting processes.
- Reduced the build time of Community Repository by **70%** using **Webpack** chunk optimizations like code splitting, tree shaking, and caching.
- **Skills:** Java, ReactJS, MongoDB, Elasticsearch, Spring Boot, Git, Webpack, Node.js, Redis, Graylog

Software Engineering Intern, Bicycle.io

📅 August 2021 - September 2021 📍 Virtual

- Collaborated with the development team to enhance and optimize existing RESTful APIs using Java, MongoDB and ReactJS resulting in improved performance and reduced response times.

Product Engineering Intern, Sprinklr

📅 June 2021 - July 2021 📍 Virtual

- Created **node** script for **automated web scraping** to extract HTML, Screenshot and PDF exports using **Puppeteer** library.
- Improved script generation efficiency and reduced the preparation time by **85%**.
- Reduced report size by **75-80 percent** by various optimisations techniques and brought email compatibility of SVG elements.

Full Stack Developer, DeScign

📅 January 2020 – April 2020 📍 Hyderabad

- Developed a comprehensive research platform using the **MEAN stack**, empowering users to effortlessly upload, collaborate, and engage in insightful discussions around research studies.
- The project followed agile methodology and was successfully deployed to the codebase of the startup and is being monitored by them.

SKILLS

- Linux, C, C++, HTML, CSS, Javascript, Java, MongoDB, Spring Boot, ReactJS, GraphQL, Git, Elasticsearch, Docker, GrayLog, CI/CD

COURSES TAKEN

Data Structures and Algorithms, Distributed Systems, Operating Systems, Design and Analysis of Software System, DBMS

EDUCATION

🎓 B.Tech in Computer Science

IIIT Hyderabad

📅 July 2018 - May 2022

- **CGPA - 8.57/10.00**

🎓 Higher Secondary Education

Goodley Public School

📅 July 2016 - April 2018

- **Percentage - 94.4/100**

PROJECTS

Bash Shell

- Built a shell for linux in **C language** with complete support for process management, piping and redirection, several built-in commands, signal handling and execution of any system command.

The Mandalorian

- Developed a real-time chat application using **Node.js**, **Express.js**, and **Socket.io**, enabling instant communication among users.

SpringGuard: Secured API with Spring Boot

- Engineered a robust backend system using **Spring Boot**, offering RESTful API endpoints for efficient data retrieval and manipulation.
- Developed data processing logic with **Spring Data** optimizing data retrieval operations.

ACHIEVEMENTS

- **DEAN'S LIST:** Selected in the Dean's Merit List for academic excellence for the year 2018-19.
- **GOOGLE KICKSTART :** Ranked **381th** all over the world and **168th** all over the country in Google Kickstart round C 2020.
- **ACM-ICPC 2020 :** Part of Team Punjabi Tadka which ranked **47th** (out of 323 teams) in Kanpur regionals round and **289th** (out of 722 teams selected) in Amritapuri regionals round.
- **CODEFORCES:** Max rating :**1837** (Best Rank: 144th out of 8000)
- **CODECHEF:** Rating : **2067** (5 star) (Best Rank: 24th among 7400)
- **JEE MAINS:** Ranked **479** in JEE Mains 2018 out of 1.2 million who participated.
- **JEE ADVANCED:** Ranked **1649** in JEE Advanced 2018 out of 1,50,000 who participated.