

# Kanishk Singh

## Front-End Developer

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Jaipur, India | LinkedIn | GitHub

### Education

#### Aston University

##### MSc Business Analytics

Jan 2021 – Jan 2022 | Birmingham, United Kingdom

**Award:** Distinction

#### SRM University

##### Btech Automobile Engineering

Jul 2016 – Jun 2020 | Chennai, India

**Award:** First class with distinction

### Skills

ReactJS • NodeJS • MongoDB • ExpressJS  
JavaScript • Redux • SQL • HTML5 • CSS3  
RESTful APIs • Git • Docker • WordPress  
Contentful CMS • GraphQL • SASS • Python

### Leadership Experience

#### Team Captain & Head of Vehicle Dynamics Formula Student

Aug 2016 – Sep 2020 | Chennai, India

**Leadership, management**, mentorship,  
**collaboration** and **innovation** experience in a  
**startup-like environment**.

- **Web Interface Development:** Developed an interactive **web interface** in **ReactJS** to link with engine ECU for remote engine tuning.
- **Engineering:** R&D, designing and fabrication, and testing of 3 formula student race cars with a **team of 35 people**.
- **Leadership: Supervised operations** in the development of 3 race cars.
- **Management:** Fetching sponsors, funds procurement, shipping to the US, resources management, recruitment, mentoring and training recruits, coordinating with a team of 35 people.
- **Successfully** shipped the car to the **United States** and **finished 2nd** in 3 out of 4 competitions over 4 years.

### Projects

#### Yelpcamp

##### MERN stack - MongoDB, Express, ReactJS, NodeJS

- **CRUD operations:** Add, edit, & delete your own campgrounds and post reviews.
- **Authentication & authorisation:** User authentication and **email verification**, user authorisation for sensitive functionalities.
- **Secure passwords:** Secure password storing using **SHA256 hashing and salt**.
- **HTML sanitisation:** MongoDB sanitisation to prevent database tampering by users/hackers.
- **REST APIs:** Integration of **3rd party APIs**.

#### Blogpage

##### React, Contentful CMS, NodeJS

- **Static web app:** Built using **Gatsby**
- **GraphQL:** GraphQL querying for **dynamic data** on website
- **Contentful CMS:** Integration with Contentful **content management system**.
- **Other features:** Custom **404 page**, **SASS** styles

### Professional Experience

#### StudySmarter

##### Technical Content Writer and SEO

Mar 2022 – Sep 2022 | London, United Kingdom

- **Platform improvement:** Successfully **improved** the **UI, UX** and **load times** of the platform by **80%** by working with the **frontend** team.
- **Content creation:** Technical content writing - accessible to 10+ million customers.
- **SEO:** Optimised content for better ranking in search engines compared to competitors

#### Apollo Tyres Global R&D Centre Research Intern

Jan 2020 – Mar 2020 | Chennai, India

**Project lead** for the development of advanced tyre technology with significantly reduced NVH levels.

- **Real-time data acquisition:** Real-time data collection using high-end sensors and equipment.
- **Data Analytics:** Data cleaning/analysis in **Python** using Pandas, NumPy, & PyTorch.
- **Demonstration and Decision Making:** Built interactive visualisations and dashboards on **Power BI**, and **made decisions** for next steps.