

# AKHIL RATN SINGH

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## TECHNOLOGY STACK

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**Languages and Databases :** Java, NoSQL, MongoDB, JavaScript, Python.  
**Libraries and Frameworks:** ReactJS , Node, Express, Tailwind, VueJS.  
**Tools :** Git/Bitbucket, Eclipse IDE, Postman.

## WORK EXPERIENCE

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**Software Engineer** *Full Time* Dec 2021 - Present  
LTIMindtree Limited (formerly Mindtree Limited) *Bangalore, India*

- Implemented a cron job for automated tracking detail synchronization from a third-party source, slashing manual PO verification by 60%.
- Developed a Java 8 API to deliver near-real-time tracking details, significantly enhancing operational efficiency and ensuring scalability for future expansion by integrating all tracking data into the database.
- We developed an internal user interface solution to efficiently manage carousel content on the main website, eliminating dependency on third-party services, and optimizing content management processes.
- Developed a dynamic carousel system utilizing Elasticsearch to deliver personalized recommendations and enhance user engagement, while ensuring scalability and flexibility for diverse marketing campaigns through Vue.js integration.

## PROJECTS

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### Clone of Booking.com

- Engineered a replica of booking.com, enabling users to register, login, filter services, select, and book offerings securely protected by JWT authentication.
- Utilized React + Vite with Tailwind CSS, Axios, and context API for the frontend, coupled with ExpressJS, Mongoose, JWT, BcryptJS, Dotenv, and cookieparser for the backend, integrating a MongoDB NoSQL database to facilitate seamless functionality

### Blog Web Application

- Created a MERN Stack web application facilitating user registration and login, empowering logged-in users to execute CRUD operations on their individual blogs, update user details, and access a comprehensive blog browsing feature.
- Leveraged ReactJS, SASS, React-Router, and Context API for the frontend, while employing ExpressJS, Mongoose, Nodemon, Dotenv, and BcryptJS for the backend, with a MongoDB NoSQL database ensuring efficient data management and seamless user experience.

## EDUCATION

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**Dr. A.P.J. Abdul Kalam Technical University,** *Bachelor of Technology* Aug 2017 - Aug 2021  
**Dehradun Public School,** *Intermediate* 2017

## CERTIFICATES

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- **Crash Course on Python** - An online non-credit course authorized by Google and offered through Coursera.
- **Introduction to Data Science** - A course on cognitiveclass.ai Powered by IBM Developer skills Network
- **SQL and Relational Databases 101** - A course on cognitiveclass.ai Powered by IBM Developer skills Network