

# Radhesh Pandey

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**Summary** — Full-Stack Web Developer with 1.6 years of experience building web applications. Skilled in using MERN stack, React.js, and Next.js. Proficient in frontend development with Tailwind CSS and Material UI, and backend development using Express.js, MongoDB, and MySQL. Focused on creating user-friendly and efficient applications.

## Skills

<b>Languages:</b> JavaScript, Java, Node.js, C++ , HTML, CSS.	<b>Tools:</b> Git, Postman, Docker, RESTful API development.
<b>Database:</b> MongoDB, Redis, MySQL.	<b>Methodologies:</b> Agile, Scrum, Test-Driven Development (TDD).
<b>Cloud:</b> Jenkins, Devtron, GitHub.	
<b>Frameworks:</b> Tailwind, Selenium, JUnit, React.js, Express.js, TypeScript, Material UI, Next.js.	

## Experience

### Birdeye Technologies

Jul 2022 – Present

*Software Engineer*

#### Frontend Development

- Orchestrated the implementation of a dynamic framework, optimizing system efficiency and elevating user satisfaction by 15% through enhanced response times and a seamless user experience.
- Built and integrated an appointment scheduling module using React.js and Tailwind CSS, successfully managing over 1,000 daily appointments with zero downtime and improving user engagement by 25%.
- Collaborated in the development of a COVID-19 dashboard using Chart.js and React Leaflet to visualize real-time data for over 100 countries, driving a 35% increase in user interaction.

#### Backend Development

- Created and optimized RESTful APIs using Express.js and Node.js, improving data retrieval time by 20% and ensuring seamless integration with frontend components.
- Streamlined routine tasks through automation scripts, significantly minimizing manual effort by 40% and boosting overall productivity by 30%.
- Implemented distributed caching mechanisms, decreasing database load by 35%.

#### Cloud Services

- Optimized database performance by implementing advanced indexing and query-tuning techniques, resulting in a 35% reduction in query execution time.
- Assisted in backend deployments with Jenkins, integrating automated testing and code quality checks, reducing bugs by 30%.

### Stige Tech (Internship)

Jan 2021 – Jul 2021

*Data Analyst (DA)*

- Developed TensorFlow models across web and mobile platforms, achieving an exceptional accuracy rate of 92%.
- Prepared a comprehensive database system using MySQL, streamlining data management and retrieval, leading to a 25% increase in operational efficiency.

## Projects

#### StudyNotion

- Developed a robust edutech platform employing the MERN stack; guided enhancements for user authentication and content management that achieved rapid engagement with over 1,500 new users in less than one month.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.

#### Drowsiness Detection System

- Driver drowsiness detection system uses a CNN algorithm to continuously monitor the driver's state, achieving an impressive accuracy rate of 91%.
- The system instantly issues alerts upon detecting driver fatigue, significantly bolstering 100% road safety.

## Education

### BBDNIIT, Lucknow

2018 – 2022

*Bachelor of Technology in Information Technology*

- Graduated with SGPA 8.63 overall.
- Authored a research paper published in Springer.
- Awarded a patent by the Government of India for an innovative project.