

# ADITYA SINGH

## Aspiring Software Engineer

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Indore, India



## SUMMARY

I am a B.Tech (CSE) graduate from Sage University with a solid foundation in Java Full Stack Development, frontend technologies, and database management. I have filed four patents related to AI and IoT, demonstrating my technical expertise and passion for innovation. My goal is to leverage these skills to build scalable and intelligent web applications that solve real-world problems.

## EXPERIENCE

### Junior Software Engineer Trainee

#### Virim Infotech Pvt. Ltd

08/2025 - 08/2025 | Indore, India

- Gained hands-on experience with React, MySQL, and .NET Core, building and managing dynamic front-end applications, handling databases, and creating backend APIs
- Enhanced coding efficiency and analytical problem-solving skills by working under the guidance of mentors on key project modules.

### Frontend Intern

#### Alphawizz Technologies Pvt. Ltd

01/2025 - 03/2025 | Indore, India

- Developed and optimized 8+ dynamic React.js components, improving UI rendering time by 30%
- Collaborated with the backend team to integrate 10+ REST APIs, enhancing user interactivity

### Web Development Intern

#### CodSoft

06/2024 - 07/2024 | Remote

- Built 3 responsive websites with modern UI features using HTML, CSS, and Bootstrap
- Improved page load speed by 25% through image optimization and asynchronous JavaScript loading

### Database Analyst Intern

#### Fire Safety Solutions

01/2024 - 05/2024 | Indore, India

- Designed and normalized 5+ relational database schemas, reducing query time by 40%
- Automated daily data reports using SQL scripts, saving ~10 hours of manual work per week

## EDUCATION

### B.Tech (Computer Science and Engineering)

#### Sage University Indore

11/2021 - 06/2025 | Indore, India

CGPA

8.42 / 10.0

## CERTIFICATIONS

### Introduction to Deep Learning and AI

KPMG

### DSA + Advanced Java

Codebetter

### Core Java + Web Development

Internshala

### Machine Learning

AWS

## KEY ACHIEVEMENTS

### Patents and Innovation

Inventor and co-inventor of 4 filed patents in AI and IoT

### Startup Competition

Secured 3rd place at SAGE Startup Spark 2024 in the Best Idea category

## SKILLS

### Languages:

Java, JavaScript, Python

### Frontend:

React.js, HTML5, CSS3, Bootstrap

### Databases:

MySQL, MongoDB

## PROJECTS

### System and Method for Generating Legal Documents Using AI & NLP

- Developed an NLP-powered system to parse and interpret user inputs, automating the generation of customized legal documents
- Engineered the core logic to ensure documents adhere to legal standards, significantly reducing the time and complexity of legal drafting

### Smart Agriculture Web App

- Built a full-stack solution using React.js and Java to provide a real-time dashboard for crop health monitoring
- Integrated an AI-powered image recognition module to automatically detect pests and diseases, enabling timely intervention for farmers

### Petrol Pump Fraud Detection

- Built an IoT-based system with integrated sensors to accurately measure fuel flow from the pump to the vehicle's tank
- Prevented fuel quantity fraud by engineering a real-time analytics engine to instantly detect and flag transactional discrepancies.

### Employee Management System

- Developed a dynamic and responsive user interface for an Employee Management System using React.js and modern front-end practices.
- Engineered a .NET Core Web API to handle all business logic and established a MySQL database connection to perform full CRUD operations on employee data.