

# SIDDHANT RAI

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## Education

### University Of Mumbai

Bachelor of Engineering - Computer Engineering

July 2020 – June 2024

CGPA: 8.99/10

## Experience

### Vistaar Systems Private Limited

Software Engineer

June 2024 – Present

Mumbai, Maharashtra

- Optimized dynamic SQL queries and leveraged Elasticsearch to significantly accelerate data retrieval, improving application responsiveness and overall system performance
- Identified and resolved critical backend bugs, significantly enhancing system stability and reducing downtime
- Developed and automated deployment processes using PuTTY and Linux shell scripts, minimizing manual errors and deployment time
- Engineered and integrated new backend features from scratch using JavaScript, contributing to core system functionality
- Collaborated with cross-functional teams to ensure smooth integration of backend services with frontend modules
- Implemented AWS ElastiCache for efficient session and data caching, resulting in lower latency and reduced database load

## Projects

### Worker Handymann Solution | *HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, MongoDB*

- Designed and developed a responsive web platform that connects homeowners with trusted service providers, making it easier for users to access essential home repair and maintenance services
- Applied best practices in UI/UX design with Bootstrap to deliver a clean, user-friendly interface across devices
- Built real-time booking and scheduling features, enabling users to instantly schedule appointments, which significantly reduced booking delays and improved overall customer satisfaction
- Integrated secure user authentication and role-based access to ensure that homeowners and service providers have personalized, protected experiences
- Implemented a review and rating system, allowing users to provide feedback on services
- Optimized database queries and API endpoints to handle high-traffic scenarios smoothly, ensuring fast response times even under load

### College Selection System | *HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, MongoDB*

- Created an innovative college selection platform using external APIs to provide real-time data on colleges and courses
- Designed personalized recommendation algorithms that analyze student preferences (e.g., location, course) and suggest colleges tailored to their needs
- Stored and indexed large datasets in MongoDB, enabling fast data retrieval and smooth user experience even with complex filters and search queries

### Weather App | *HTML, CSS, JavaScript, Weather API*

- Developed a lightweight, user-friendly weather app that provides real-time weather updates based on city-specific data fetched from external APIs
- Added dynamic visuals (icons, colors) that change based on weather conditions, improving overall user experience.
- Optimized API calls for speed and accuracy

## Technical Skills

**Programming Languages:** JavaScript, C, Java

**Frontend Tech Stack:** HTML5, CSS3, Bootstrap, JavaScript (ES6+)

**Backend Stack:** Node.js, Express.js, REST APIs, MongoDB, MySQL, PostgreSQL

**Tools Platforms:** Postman, MySQL Workbench, MongoDB Compass, PuTTY, Linux (CLI), GitHub

**Practices:** Agile, Git/GitHub, REST API Development, Server Deployment, Elasticsearch, Elastic Cache

**Soft Skills:** Problem-Solving, Team Leader, Time Management, Communication

## Certifications

- JavaScript - The Complete Guide 2024 (Beginner + Advanced)
- Advanced JavaScript Topics
- The Complete Oracle SQL BootCamp (2024)
- Professional Certificate in Linux System Basics