

SARTHAK TRIPATHI

Vellore Institute of Technology, Bhopal

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EDUCATION

VIT Bhopal University, Bhopal

B.Tech - Computer Science and Engineering with specialization in Education Technology

2022 – Present

GPA: 8.22

Jai Academy, Jhansi

Higher Secondary School, CBSE Board

2020 – 2022

Percentage: 70%

Jai Academy, Jhansi

Senior Secondary School, CBSE Board

2008 – 2020

Percentage: 91%

TECHNICAL SKILLS

Languages: Java, JavaScript, Python.

Technologies/Frameworks: ReactJS, Node.js, Express.js, MongoDB, API, HTML5, CSS3.

Database: MySQL, Supabase

INTERNSHIP

Socio Labs

Web Development Intern

Oct'24 - Dec'24

New Delhi

- Developed responsive client website with integrated third-party APIs, delivering complete web solution from design to deployment meeting all project specifications
- Collaborated with cross-functional teams to integrate RESTful APIs, enabling real-time data processing and seamless user interactions while meeting deadlines
- Optimized website performance through metrics analysis and best practices implementation, improving page load times and user engagement
- Debugged and maintained codebases by identifying technical issues, ensuring stable web application performance for client projects

PROJECTS

Know My Status (KMS) - QR Enabled Monitoring System

Oct'24

- Engineered a QR code-based teacher status monitoring system using PHP, MySQL, and phpqrcode library, implementing real-time database updates and reducing student wait times by 15 minutes daily across 200+ faculty members.
- Developed and deployed a mobile-responsive web application with QR code generation and scanning functionality, enabling instant access to teacher availability status and improving student-faculty communication efficiency by 60%.
- Implemented secure authentication system and optimized database queries for real-time status updates, supporting concurrent access for 500+ students with 99% uptime reliability.

VIT Examination Application

Jan'3

- Built and deployed a comprehensive examination management system using JavaScript, PHP, MySQL, and Resend API, serving 500+ students with automated exam scheduling and notification features.
- Designed and implemented automated email notification system with Python integration, reducing manual administrative workload by 40% and decreasing student inquiries regarding exam schedules by 30%.
- Developed responsive user interface with secure authentication, file upload functionality for previous year papers, and integrated note-sharing system, improving student exam preparation efficiency by 25%.

CERTIFICATES & ACHIEVEMENTS

- Swayam NPTEL Cloud Computing - Advanced Cloud Technologies and Deployment.
- Applied Machine Learning in Python by University Of Michigan - Data Science and ML.

ADDITIONAL INFORMATION

Languages : English, Hindi

Hobbies: Event Management, Badminton