

# Akhil Verma

## Software Engineer

Results-driven Software Engineer with 2+ years of experience in designing, developing, and optimizing backend systems. Skilled in API development, database management, and system integration, ensuring seamless performance and scalability. Proficient in coding, debugging, and testing, with hands-on experience in software documentation and process flow analysis. Adept at collaborating with cross-functional teams to deliver innovative and efficient solutions.

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## WORK EXPERIENCE

### Software Engineer

Birla Institute of Technology (BISR)

23/2023 - Present

Jaipur

#### Achievements/Ta

- **Spark Calculation Implementation:** Developed and optimized Spark calculation processes to enhance data accuracy and computational efficiency within GIS and market analysis systems.
- **Automated Calculation Process:** Designed and implemented an automated calculation system, reducing manual effort and improving performance in large-scale data processing workflows.
- **Arabic Language-Specific Data Manipulation:** Engineered robust solutions for handling Arabic text, ensuring proper formatting, right-to-left (RTL) support, and seamless data processing across various applications.

## CERTIFICATES

Node.js (03/2023 - 06/2023)

- Successfully completed comprehensive Node.js training, mastering core backend development concepts such as asynchronous programming, API development, and error handling. Gained hands-on experience with Express.js for building scalable and efficient web applications.

## EDUCATION

### B. tech

Regional College for Education and Research Technology

07/2019 - 06/2023

Jaipur

## HANDS ON PROJECT

Admin Dashboard (03/2025 - Present)

- Developed a fully responsive admin dashboard using **React** and **Tailwind CSS**, ensuring a seamless user experience.
- Implemented dynamic data visualization and user management features.
- Hosted on **Vercel** for optimized performance and deployment.
- **Live Demo:** <https://admin-dashboard-alpha-beryl-86.vercel.app/>

## SKILLS

Node.js

MySQL

PostgreSQL

java

MongoDB

Express.js

JS

TS

React.js

Next.js

Git

AWS

## RECENT PROJECTS

### API Performance Optimization (02/2025 - 09/2025)

Enhanced API response times and system efficiency by optimizing database queries, implementing caching strategies, and refining request-handling processes. Focused on improving scalability and reducing latency for high-traffic applications.

### GIS Data Upload Enhancement (11/2024 - 01/2025)

Upgraded the GIS data upload system to support Excel file processing for up to 100,000 records. Improved data handling efficiency, reduced processing time, and ensured seamless integration with backend services.

### Advanced Filtering & API Integration (09/2024 - 11/2024)

Developed and integrated dynamic filtering mechanisms for APIs, enabling precise data retrieval based on user-defined criteria. Optimized query performance and enhanced API flexibility for improved user experience.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

Development

Exploring New Things