

Abhishek Kumar

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Education

University of Engineering and Management, Jaipur
B.Tech in Computer Science Engineering

July 2019 – June 2023

Experience

UGC - INFLIBNET Centre

September 2023 – Present

Programmer

- Enhanced a Flask-based dashboard application to provide year-wise analytical insights on publication records, enabling users to update data and fetch information from multiple sources for comprehensive analysis.
- Designed and implemented a high-performance search-based React component that displays 320+ million records instantly at a single click by integrating MongoDB with Elasticsearch, ensuring fast and efficient data retrieval within seconds.
- Contributed to the Inflibnet Services project by developing and enhancing features in a Spring Boot application, effectively showcasing the services provided to end users for improved accessibility and engagement.

Projects

Smart Contact Manager | Spring boot, JavaScript, tailwindcss, OAuth2, Spring Data JPA, Cloudinary

- Developed a full-stack contact management application with user authentication, OAuth-based social login (Google/GitHub), and email verification using Spring Security, reducing unauthorized access risks by 90%.
- Integrated Cloudinary SDK for cloud-based image storage, enabling users to upload and manage contact photos, and implemented email functionalities with attachments using JavaMail API.
- Implemented advanced features like search, pagination, and data export (Excel), optimizing usability for 1,000+ contacts, along with dark/light theme support for an enhanced user experience.

Expense-Tracker | MySQL, React, Express, Node JS, JWT

[Source Code](#)

- Expense tracker web application helps user to know about their leaking money and enabling users to efficiently manage and categorize their expenses.
- Secured user authentication and authorization with JWT, ensuring data privacy and controlled access.
- Displayed expenses on an analytical dashboard, providing insights based on debit and credit records for better financial tracking.

OneDatatable | HTML, CSS, JavaScript, TypeScript, Lit (LitElement)

[Source Code](#)

- Developed a reusable web component for a dynamic data table using Lit, enabling seamless integration across multiple applications.
- Engineered expandable nested sub-tables, enabling hierarchical data representation and improving data organization efficiency by 35%, with sorting, filtering, and search functionalities enhancing usability.
- Introduced dark mode and inline editing, improving user experience and customization options for efficient data management.

Achievements

Software Development Challenge Flipkart Grid 4.0

Developer Virtual Experience Program By Accenture

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, TypeScript

Frameworks: Bootstrap, Tailwind CSS, Spring Boot, Flask, Angular

Web Technologies: React.js, Node.js, Express.js

Databases: MongoDB, PostgreSQL, MySQL

Developer Tools: Git, Visual Studio Code (VS Code), IntelliJ IDEA

Search Engine Databases: Elasticsearch, Apache Solr

Others: Kibana, Linux