# Ankit Tiwari

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## EDUCATION

**Bachelor of Technology | *Civil Engineering*** Aug 2018 – June 2022
*Government Engineering College Banswara* *Banswara, India*

**Government Senior Secondary School Pratapnagar** Bhilwara, India
*XII* | PCM *2018*

## WORK EXPERIENCE

**Software Development Engineer** November 2023 - Present
*AdvancedBytez* *Bangalore, India*

- Developed and implemented an admin dashboard with CRUD operations, boosting user management efficiency by 40%.
- Designed and integrated an audit report form connected to a database, reducing data entry time by 95%.
- Engineered and implemented an automated audit report form, seamlessly linked to a dynamic database system, enhancing data input accuracy by 40% and reducing retrieval time by 50%.
- Integrated Google Sheets API to enable seamless data storage and retrieval directly from the audit report form.
- Created and applied a user authentication system with RBAC for forms and the admin dashboard, enhancing security and access control.

**Software Development Engineer** October 2022 - November 2023
*AEL Data Services LLP* *Bangalore, India*

- Designed, developed, and tested RESTful APIs, specializing in modules for Teams and Payments.
- Utilized Rust programming language and the Rocket framework to create a web application with a crawling feature for asynchronous website crawling and extraction of relevant links.
- Implemented robust authentication mechanisms using JWT for enhanced security.
- Collaborated effectively with the development team to ensure code quality, adherence to best practices, and high standards of maintainability.
- Implemented a secure user authentication and authorization system in Rust, incorporating features like secure registration, login, password hashing, and role-based access control (RBAC).
- Worked extensively on stripe payment integration in Node.js.
- Spearheading the implementation of a CI/CD pipeline using GitHub Actions for automated testing, integration, and deployment workflows, optimizing development processes.
- Designed and implemented a web crawler for automatic form filling from data, improving data entry efficiency.
- Utilized MongoDB for efficient and scalable data storage.
- Dockerized applications to ensure seamless deployment and scalability.

## PROJECTS

Real-Time Location Tracker ⬤

- Developed a real-time location sharing application using Node.js, Express, Socket.io, EJS, and Leaflet.
- Designed the user interface with EJS templates to allow users to share their location and view others' locations in real-time.
- Added functionality to display usernames and genders of users on the map with different marker icons based on gender.
- Integrated a feature allowing users to get directions to a selected user's location directly from the map.

## SKILLS

**Backend:** Python, Node, Rust, MVC Pattern, Microservices
**Frontend:** React, JavaScript, HTML/CSS
**Tools:** Git, Npm, MongoDB, MySQL
**Interests:** Public Speaking, Leadership