

# ABHAY AGRAWAL

Backend Developer

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## Education

Dr. APJ Abdul Kalam Technical University  
-Bachelor of Technology in Information Technology

Oct. 2023 – Mar. 2027  
Ghaziabad, U.P  
Current CGPA: 9.0/10

## Experience

Big Data Centre Of Excellence, AKGEC

Oct. 2024 – Dec. 2024

Trainee

- Built a robust backend system using Node.js and Express.js and MongoDB, providing a scalable foundation for the application.
- Collaborated closely with cross-functional teams to ensure smooth integration between frontend and backend, demonstrating strong communication and teamwork skills.
- Gained exposure to best practices in backend architecture, API design, data management, and cloud integration, strengthening problem-solving and technical abilities in a fast-paced, team-oriented environment.

## Projects

Chatflix | NodeJS, ExpressJS, MongoDB, PassportJS, Socket.io, Cloudinary

[GitHub](#)

- Developed a chatting web application, utilizing a REST API and capable of handling over 100 concurrent users.
- Implemented real-time communication using Socket.io for instant messaging.
- Implemented Google Authentication for secure user login and session management using OAuth 2.0.
- Designed and implemented MongoDB schema to store user profiles, chat messages, and conversation history.

Tune Central | NodeJS, ExpressJS, MongoDB, PassportJS, Cloudinary

[GitHub](#)

- Developed the backend for a song recommendation website, handling user authentication, song data management, and personalized recommendations.
- Designed and implemented RESTful APIs using Node.js and Express for efficient communication between frontend and database.
- Utilized Cloudinary for image storage and optimization, managing album artwork and user profile images.

Blogify | NodeJS, ExpressJS, MongoDB

[GitHub](#)

- Architected and implemented the backend of a dynamic blogging platform using Node.js and Express, enabling seamless creation, management, and modification of blog posts via a RESTful API.
- Designed and developed robust API endpoints for full CRUD operations, empowering users to create, retrieve, update, and delete posts.
- Collaborated with frontend developers to ensure smooth interaction between API and user interface, providing a seamless user experience.

## Technical Skills

Languages: C, C++, Python, JavaScript, HTML5, CSS, SQL

Frameworks: Express.JS

Databases: MongoDB, MySQL

Developer Tools: Git, GitHub Actions, Postman, GCP, Vercel, Netlify

Additional Skills: Problem Solving, Competitive Programming, Time Management, Leadership, Communication

## Achivements

Pradhyut Hackathon:

- Secured 3rd place in the Pradhyut Hackathon organized by AKGEC College, where teams worked on innovative solutions for the 17 Sustainable Development Goals (SDGs).
- Collaborated with my team, to develop and present creative, impactful solutions, demonstrating strong problem-solving, innovation, and teamwork under tight deadlines.