

ABHAY AGRAWAL

Full Stack Developer

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EDUCATION

Dr. APJ Abdul Kalam Technical University(AKGECE, Ghaziabad)

Oct 2023 - July 2027

- Bachelor of Technology in Information Technology

Current CGPA: 9.0/10

EXPERIENCE

Big Data Centre Of Excellence, AKGEC

Oct 2024 - Dec 2024

Backend Development Trainee

- Developed and deployed scalable backend systems using Node.js, Express.js, and MongoDB for internal applications.
- Designed and integrated RESTful APIs, improving backend–frontend communication efficiency by 20%.
- Collaborated with cross-functional teams (frontend, ML) to ensure seamless application integration.
- Gained hands-on experience in backend architecture, API optimization, data modeling, and GCP cloud services.

PROJECTS

ChatFlix | Node.js, Express.js, MongoDB, Passport.js, WebSocket

[Git-Link](#)

- Developed a real-time chat application using Node.js and Socket.io, successfully scaling to support 100+ concurrent users with <50ms latency.
- Implemented real-time communication using Socket.io for instant messaging .
- Implemented Google Authentication for secure user login and session management using OAuth 2.0.

TuneCentral | Node.js, Express.js, MongoDB, Passport.js, Cloudinary

[Git-Link](#)

- Developed the backend for a song recommendation website, handling user authentication (JWT), song data management, and personalized recommendations.
- Integrated a machine learning model to provide personalized song recommendations based on user preferences.

Blogify | Node.js, Express.js, MongoDB, React.js

[Git-Link](#)

- 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.

TECHNICAL SKILLS

- **Languages:** C, C++, Javascript, Python, HTML5, CSS
- **Frameworks:** Node.js, Express.js, React.js, Passport.js
- **Databases:** MongoDB, SQL
- **Developer Tools:** Git, GitHub Actions, Postman, GCP, Vercel, Netlify, Docker
- **Additional Skills:** Problem Solving, Competitive Programming, Leadership, Communication

ACHIEVEMENTS

3rd Place — Pradhyut Hackathon (AKGEC):

Developed innovative solutions aligned with UN Sustainable Development Goals (SDGs).

Demonstrated strong problem-solving, creativity, and teamwork under tight deadlines.