Aabid Ali

A S P I R I N G   S O F T W A R E   E N G I N E E R

P: +91 9410464794   **E:** mdaabidali28@gmail.com

LinkedIn 🔗   **GitHub** 🔗

A: Amroha Uttar pradesh India 244221

Dear Recruitment Team,

I am writing to express my sincere interest in exploring a suitable role within your esteemed organization. With a solid academic foundation and practical exposure to modern full-stack development, I am confident in my ability to contribute effectively to your team's objectives and the organization's long-term vision.

I am currently pursuing my Master of Computer Applications (MCA) from Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, where I have maintained a consistent academic performance with a current CGPA of 7.80. Prior to this, I completed my Bachelor of Computer Applications (BCA) from J.S. Hindu P.G. College, which laid the groundwork for my understanding of core computer science principles and sparked my deep interest in software development.

Throughout my academic journey, I have actively applied my learning by working on multiple real-world projects that reflect my technical competencies, critical thinking, and ability to solve practical problems through code. These projects are not just academic submissions but fully functional, scalable, and deployment-ready systems built using modern technologies, secure authentication mechanisms, responsive design patterns, and real-time functionality.

I have always believed in the philosophy of "learning by building", and my hands-on approach to development has enabled me to grasp both the depth and breadth of full-stack application development, from crafting elegant UIs to building robust backend APIs and integrating third-party services.

Some of my most significant projects — such as NexusSociety, a complete campus society management system, and WealthSync, an AI-powered personal finance tracker — have helped me strengthen my grasp on technologies like React, Next.js, TypeScript, Node.js, Express, MongoDB, Supabase, JWT, Razorpay, Prisma, Clerk, and more.

With this combination of academic excellence and project-based experience, I aim to join an organization where I can continue to learn, contribute meaningfully, and grow as a responsible and innovative software professional.

I have built several real-world projects that demonstrate both my technical capabilities and my problem-solving mindset. A few of my key projects include:-

Nexus Society – The Smart Solution For Campus Societies

Nexus Society is a powerful full-stack web platform designed to streamline and automate the complete lifecycle of campus society operations — from events and registrations to payments and communication. Built with cutting-edge technologies and a secure role-based architecture, it transforms student engagement into a smart, scalable, and digital-first experience.

Technology Stack Used:

The platform is built using a modern and scalable stack:

- **Frontend:** React.js, Vite, Tailwind CSS, Framer Motion, Redux Toolkit, React Router DOM, React Hook Form, React Toastify, Shadcn UI, Lucide Icons, Recharts, React Parallax Tilt.

- **Backend:** Node.js, Express.js, JWT (JSON Web Token), Nodemailer, Bcrypt.js, Express Validator, CORS, dotenv.

- **Database:** MongoDB with Mongoose ODM.

- **Payments & Media**: Razorpay (payment gateway), Cloudinary (media storage).

- **DevOps & Deployment**: GitHub Actions (CI/CD), Vercel (frontend hosting), Render (backend hosting).

Key Features Of Project:

- Nexus Society is a full-stack web application developed to digitalize and streamline all campus society operations including event management, member registration, merchandise sales, and communication.
- The platform features role-based access control (RBAC) with secure JWT authentication, ensuring separate, controlled access for society admins and student users.
- University-verified login system allows only registered students to sign up, ensuring authenticity and preventing unauthorized access.
- Admins can create and manage events, publish real-time results, post notices, respond to student queries, and broadcast/unicast emails via Nodemailer.
- Students can register for events, track participation, view results, buy merchandise, receive notifications, and download notices in PDF format.
- Integrated with Razorpay for secure and instant online payments for merchandise and event registrations, along with receipt tracking.
- The user interface is built using React.js with Vite, styled using Tailwind CSS, and enhanced with Framer Motion animations, delivering a fast, mobile-responsive, and engaging UI/UX.
- Application state and routing are managed using Redux Toolkit, React Router DOM, React Hook Form, and React Toastify for smooth transitions, form validation, and real-time feedback.
- Backend is powered by Node.js + Express.js, with MongoDB as the NoSQL database and Mongoose for schema modeling and secure data handling.
- Cloud media storage and optimization are handled via Cloudinary, while analytics and reports for admin dashboards are visualized using Recharts.
- Deployed using modern cloud platforms — Vercel (frontend) and Render (backend) — with GitHub Actions configured for continuous integration and automatic deployment.
- Nexus Society brings together automation, security, scalability, and design elegance, making it a smart, centralized, and future-ready solution for managing university societies efficiently.

WealthSync – AI-Powered Financial Management Platform

An AI-powered financial management platform that helps you track, analyze, and optimize your spending with real-time insights. Effortlessly monitor your expenses, set financial goals, and receive personalized budgeting recommendations powered by advanced analytics and AI. With automated reports, intelligent forecasts, and secure data management, WealthSync empowers you to make smarter financial decisions and achieve long-term financial freedom

Technology Stack Used in WealthSync

🖥️Frontend:
- Next.js – React-based framework for server-side rendering and routing.
- React.js – Component-based UI development.
- TypeScript – Type-safe development for scalable codebase.
- Tailwind CSS – Utility-first CSS framework for responsive design.
- Shadcn/UI – Accessible and customizable UI components.
- React Hook Form – Efficient form management and validation.
- Zod – Schema-based form validation with strong typing.
- React Toastify – Real-time toast notifications for user feedback.
- Chart.js – Visual representation of analytics (pie, bar, line charts).
- Parallax Tilt – For interactive UI effects and animations.

⚙️ Backend:
- Node.js – JavaScript runtime environment for building APIs.
- Express.js – Lightweight and fast backend framework.
- Prisma ORM – Type-safe database ORM for interacting with Supabase/PostgreSQL.
- Supabase – Backend-as-a-service for database, auth, and storage (PostgreSQL).
- JWT (JSON Web Token) – For secure API token-based authentication.
- Bcrypt.js – For hashing sensitive data (e.g., passwords).
- Express Validator – To sanitize and validate incoming requests.
- CORS & dotenv – For cross-origin handling and environment management.

🔒 Authentication & Security:
- Clerk – Seamless, secure multi-provider authentication (Google, GitHub, LinkedIn).
- JWT – Secure API communication between frontend and backend.
- Arcjet – Bot protection, rate limiting, and abuse prevention on backend routes.
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🤖 AI & Automation:
- ML-based Categorization Logic – Custom logic to intelligently classify transactions.
- OCR Engine – For extracting text and transaction data from uploaded receipts.
- Inngest – Workflow engine to automate recurring payment tasks (e.g., rent, subscriptions).

☁️ Media & File Handling:
- Cloudinary – For optimized and secure storage of uploaded receipt images and files.

🚀 DevOps & Deployment:
- Vercel – Hosting for frontend (Next.js) with automatic CI/CD.
- Railway / Render – Deployment for backend services.
- GitHub Actions – For continuous integration and automated deployment pipelines.

My technical skillset includes proficiency in Java, and Python, along with a strong command over frontend technologies such as React.js, HTML, CSS, and JavaScript. On the backend, I have hands-on experience with Node.js, Express.js, MongoDB, and secure authentication mechanisms using JWT and Passport.js. I am also skilled in building and consuming RESTful APIs and have solid foundational knowledge of DBMS, MySQL, Object-Oriented Programming (OOPs), Data Structures & Algorithms, and Computer Networks.

Beyond development, I bring strong communication, collaboration, and problem-solving abilities. I consider myself an honest, sincere, and goal-oriented individual who consistently delivers with dedication and integrity. Whether it's academics, coding, or contributing socially, I always put in 100% effort. My eagerness to learn and willingness to help others grow also makes me highly adaptable for mentorship or training-oriented roles.

Over the course of my academic and professional journey, I've built two impactful, production-ready projects:

◆ NexusSociety – A full-stack Campus Societies Management System that enables seamless event handling, merchandise sales, member management, real-time notifications, and secure payments. It is built using React.js, Node.js, MongoDB, Tailwind CSS, and hosted on Vercel and Render, with JWT-based authentication and Razorpay integration. This project showcases my expertise in scalable system design, modular backend development, and frontend UI optimization.

◆ WealthSync – An AI-powered personal finance tracking system that leverages Next.js, TypeScript, Supabase, Prisma, Clerk, Inngest, and Arcjet to provide intelligent transaction categorization, OCR-based receipt parsing, dynamic analytics dashboards, and recurring payment automation. It demonstrates my capabilities in AI integration, secure multi-provider authentication, and advanced DevOps handling using Vercel, Railway, and GitHub Actions.

Both of these projects highlight my ability to build secure, scalable, and user-friendly applications that solve real-world problems with modern technologies.

I am now seeking an opportunity where I can bring this combination of technical expertise and strong work ethic to contribute meaningfully to your organization. I would be truly grateful for the chance to grow professionally, collaborate with like-minded innovators, and continue learning in a dynamic and challenging environment.

I humbly request you to kindly consider my application for any suitable role aligned with my profile. I am eager to discuss how I can contribute to your team and bring value through my skills, dedication, and determination.

Thank you for your time and consideration.

Sincerely,

Aabid Ali

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