# Mohammad Ayoob Bhat

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## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, C++, Python
- **Frameworks:** React, Next.js, Node.js, Express
- **Databases & Tools:** MongoDB, Prisma, Supabase, Git, Vercel
- **Domains:** Full-Stack Development, E-Commerce Systems, Applied AI (Foundations)

## EXPERIENCE

**Zesconuts**                                                                            Jun 2025 – Dec 2025
*Full Stack Developer*                                                                              *Onsite*
- Developed a production-grade e-commerce platform with secure checkout, order lifecycle tracking, and customer management.
- Integrated payment gateways including PhonePe, Razorpay, Cashfree, and Cash on Delivery.
- Built admin dashboards for inventory control, category management, discounts, and shipping updates.
- Optimized backend APIs by improving database queries and introducing structured caching strategies.

**Paper Perfect Technologies**                                                          Jun 2024 – Jul 2024
*Software Engineer Intern*                                                                          *Remote*
- Built backend APIs for a drone sales platform covering authentication, product catalog, and order management.
- Collaborated with frontend teams to ensure seamless API integration and improved user experience.

## PROJECTS

**Afsa AI — AI SaaS Platform**                                                                        2022
Live Demo    |    GitHub
- Built an AI-powered SaaS platform supporting image, music, video, and text generation workflows.
- Designed modular frontend components in React and integrated multiple AI services through backend APIs.
- Deployed the platform on Vercel with scalable architecture and optimized API request handling.

**Jhelum_Verce — School Management Platform**                                                         2025
Live Link
- Built a full-stack school management platform to manage students, teachers, classes, attendance, and academic records.
- Developed the frontend using React and deployed it on Cloudflare Pages for fast global delivery.
- Implemented backend services on Railway with REST APIs and role-based access logic.
- Used Supabase (PostgreSQL) as the primary database with structured schemas and secure data access.
- Designed a decoupled frontend–backend architecture enabling independent scaling and deployment.

**Credit Card Fraud Detection**                                                                       2025
- Built machine learning models using Random Forest and XGBoost for highly imbalanced fraud detection datasets.
- Applied SMOTE oversampling and evaluated models using Precision, Recall, F1-score, and ROC-AUC.

**Smart Parking System (IoT)**                                                                        2024
- Designed an IoT-based parking solution for automated vehicle detection and efficient space allocation.

## EDUCATION

**Jamia Millia Islamia**                                                                 Aug 2020 – May 2024
*Bachelor of Technology, Computer Engineering*                                                 *Delhi, India*

## ARTICLES & TECHNICAL WRITING

**Attention Mechanism Explained & Why Deep Learning Needed It**                                       2025
Medium
- Explained Transformer attention, Query-Key-Value computation, and softmax normalization in NLP systems.

**Prop Drilling in React**                                                                            2024
Medium

- Discussed scalability issues in deep component hierarchies and best practices to mitigate them.

**useRef Hook in React**                                                        2024

Medium

- Covered real-world use cases of useRef including DOM access and mutable state handling.

## CERTIFICATES

- Kaggle — Machine Learning Certification (2025)
- Kaggle — Pandas Certification (2025)
- Udemy — Full Stack Development (2024)