Ahmed Abrar Zayad
Full Stack Engineer

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EDUCATION

Chittagong University of Engineering and Technology **Chittagong, Bangladesh**
B.Sc in Computer Science *Expected Graduation, October 2027*

SKILLS

- **Frontend:** React.js (Proficient), JavaScript (Expert), TypeScript (Proficient), Tailwind CSS (Proficient), HTML5, CSS3
- **Backend:** Node.js (Proficient), Express.js
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Tools & Methodologies:** Git/GitHub, REST APIs, Agile/Scrum, Vercel/Netlify Deployment, Cursor AI, Github Copilot
- **Familiar With:** Next.js, Java Spring Boot, Python, FastAPI, Flutter

EXPERIENCE

Paleon **Remote, Netherlands**
Full Stack Engineer *Sept 2025 - Present*

- Engineered **production-grade frontends** using Flutter, applying component-based architecture and state management principles.
- Built and integrated **RESTful APIs using FastAPI**, handling authentication, validation, and business logic.
- Designed an **image-based classification system** using **Retrieval-Augmented Generation (RAG)** to identify object categories based on visual features and rule-based constraints.
- Collaborated with backend services, databases, and authentication flows.
- Improved application performance and maintained clean, scalable codebases.

PROJECTS

[ChefMarket](#) | [Frontend](#) | [Backend](#) *December 2025 – December 2025*

- Created a full-stack MERN application featuring **role-based dashboards** for customers, chefs, and administrators.
- Implemented **secure Firebase authentication** and **role-based access control (RBAC)** to protect application resources.
- Used JWT for secure access.
- Integrated Stripe payment processing and real-time order tracking to enable seamless transactions and user experience.
- Built a **React 18 (Vite) frontend** using **TailwindCSS and DaisyUI** for a responsive, modern UI.
- Developed a **Node.js/Express backend** with **MongoDB Atlas**, supporting scalable **CRUD operations** for meal and order management.
- Designed **interactive admin analytics dashboards** using **Recharts** for data-driven insights.
- Deployed the application end-to-end with the **frontend on Firebase** and the **backend on Vercel**, ensuring high availability.

[Delivery](#) | [Frontend](#) | [Backend](#) *November 2025 – December 2025*

- Developed a full-stack MERN application featuring role based access.
- Implemented Light/Dark Mode for attractive UI.
- Implemented **secure Firebase authentication** and **role-based access control (RBAC)** for route protection.
- Developed **CRUD Api's using Node.js/Express backend** with **MongoDB Atlas**.
- Used JWT for secure access of Api's.
- Used Stripe payment processing and real-time order tracking to enable seamless transactions and user experience.
- Built a **React 18 (Vite) frontend** using **TailwindCSS and DaisyUI** for a responsive, modern UI.

- Deployed the application end-to-end with the **frontend on Firebase** and the **backend on Vercel**, ensuring high availability.

[RealEstate](#) | [Frontend](#) | [Backend](#)   November 2025 – November 2025

- Developed a full-stack MERN application with secure routes.
- Implemented **secure Firebase authentication.**
- Built a **React 18 (Vite) frontend** using **TailwindCSS and DaisyUI** for a responsive, modern UI.
- Developed a **Node.js/Express backend** with **MongoDB Atlas**, for building proper scalable Api's.
- Deployed the application end-to-end with the **frontend on Netlify** and the **backend on Vercel**, ensuring high availability.

ACTIVITIES AND LEADERSHIP

CUET CyberSecurity Club   **Chittagong, Bangladesh**
Cyber Security Researcher   *February 2025 – Present*

AUST IUPC   **Dhaka, Bangladesh**
Competitive Programming Contest   *February 2025*
- Achieved 65th place in the contest.

UAP CYBER SIEGE 2025   **Dhaka, Bangladesh**
Capture the Flag   April 2025
- Achieved 21st place in the contest