Prajakta Ayare

Pursuing my Master's in Computer science with a focus on full-stack web development and AI-driven applications. Passionate about building scalable, user-centric solutions using modern technologies like React.js and Next.js.

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EDUCATION

Ramnarain Autonomous College, Matunga

Masters of Computer science - 7.5   June 2024 - April 2026

SK Somaiya University, Vidyavihar

Bachelor of Computer Science - 8.67   September 2021 - May 2024

PROJECTS

AI-Powered Personal Finance Visualization Web App (Aug 2025 - Oct 2025)

- **Developed** a full-stack finance management platform (Next.js, Tailwind/React, PostgreSQL) that significantly **enhanced** data input through Gemini AI-powered **OCR receipt scanning**, achieving **92% accuracy.**
- **Engineered** interactive data visualization dashboards and delivered **AI-driven recommendations** to improve budget adherence and provide transactional insights.
- **Enhanced** application functionality with automated features like CSV uploads, recurring transaction tracking and personalized AI Copilot suggestions to improve user financial literacy.

Grocery E-Commerce Website (April 2024)

- **Engineered** a secure, full-stack **Grocery E-Commerce Platform**, a **B2C E-Commerce Solution** leveraging **PHP and MySQL** for the robust backend and **HTML/CSS/JavaScript** for a responsive front end.
- **Optimized** the core shopping journey (Search, Wishlist, Cart, Checkout), achieving a simplified user registration process to drive an estimated **3.5%higher conversion rate** than the industry average.
- **Streamlined** the administrative workflow through a dedicated dashboard that facilitates instant product addition, user management, and order tracking, aiming to reduce the manual order processing time by **40%** compared to traditional methods which results in reduction of cart abandonment rate.

Pet Shop Management System (Mar 2023)

- Built a desktop-based management system using **C#** and **.NET Framework** in **Visual Studio** to streamline pet shop operations.
- **Implemented** modules for inventory tracking, customer records, billing, and employee management to automate day-to-day tasks.

Quiz Application (Sept 2022)

- **Developed** a mobile quiz app using **Kotlin** in **Android Studio** with features such as multiple-choice questions, score tracking, and interactive UI.
- **Focused** on enhancing user engagement with responsive design and smooth navigation.

CERTIFICATE

- **Published a Research paper in IJFMR on 'Role of Virtual Reality Therapy in Psychology'**
  Research Paper Link and the Certificate Link

SKILLS

Programming Languages: Kotlin, C#, JavaScript, TypeScript, SQL, HTML, CSS, PHP
Frameworks & Libraries: .NET Framework, React, Next.js, Tailwind CSS
Databases & Backend: PostgreSQL, Prisma, Supabase
Backend & Cloud Tools: Inngest (serverless workflows), API integration, deployment
Security & Performance Tools: Arcjet (rate-limiting, protection)
Development Practices: Object-Oriented Programming (OOP), modular design, debugging, version control (Git)