

Niyaz Ahmed

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Education

Visvesvaraya Technological University, Belagavi

August 2018 – July 2022

BS in Computer Science & Engineering

Technologies

Languages: JavaScript, TypeScript, C

Development Technologies: React, Next.js, Node.js, HTML, CSS, Tailwind CSS, Git, GitHub

Databases: MongoDB, PostgreSQL

Protocols & APIs: XML, JSON, REST

Projects

DropIt

- Developed an anonymous messaging application using **React** and **MongoDB**, featuring a clean user interface and efficient data storage.
- Implemented secure user authentication with **NextAuth.js**, and email verification.
- Added real-time username validation to ensure uniqueness before registration.
- Created an interactive dashboard with **message filtering**, **search capabilities**, and **message management** (view, delete, and acceptance toggles).
- Integrated **AI**-powered message generation using Google's Gemini 1.5 Pro API, enhancing user engagement with dynamic content creation.

Feast-Flow

- Built a **full-stack** food ordering application using **Next.js** with categorized menu browsing, seamless food ordering, and real-time order tracking using Next.js and **Zustand**.
- Developed a **RESTful API** with MongoDB for efficient management of users, menus, and orders.
- Created an admin dashboard with **CRUD** operations for streamlined restaurant management.
- Integrated secure JWT authentication and a mock payment system for secure transactions
- Tools Used: C#, .NET, SQL, XML

Platformer Game

- Built a 2D platformer game using HTML5 Canvas and **JavaScript**, implementing player movement, platform collision detection, and gravity simulation for realistic gameplay.
- Integrated custom checkpoint and collision detection logic to trigger game progress events, enhancing user experience with real-time feedback and dynamic element adjustments based on screen size.
- Implemented a responsive interface with custom **animations** and controls, allowing fluid player movement and jumping.

Experience

Front-End Intern, Compsort Technologies

August - September 2021

- Designed and implemented a static tribute webpage for doctors using HTML, CSS, and JavaScript, ensuring a visually appealing and user-friendly layout.
- Actively collaborated with the team by contributing ideas, adding high-quality photos, and optimizing them to enhance website performance and visual appeal.
- Gained hands-on experience in utilizing modern frontend technologies to create functional web designs, focusing on cross-browser compatibility and responsive design principles.