

AFEEF BASHEER

Web Developer | JavaScript | Node.js | AI | Express | MongoDB | MySQL

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SUMMARY

Developer with strong problem-solving and AI integration skills, experienced in building scalable GovTech and FinTech systems, designing modular web architectures, and rapidly learning and applying new technologies.

SKILLS

- **Languages:** JavaScript, Python, C, Java
- **Tools and Technologies:** Node.js, HTML, CSS, Restful APIs, Jest, Docker, Testing AI Integration, Git & GitHub
- **Databases:** Mongo DB, Chroma DB, MySQL, Firebase
- **Frameworks and Libraries:** Express, Mongoose, LangChain, React.js

EDUCATION

- **B Tech** Nov 2021 - Jun 2025
 - Adi Shankara Institute of Engineering and Technology, Kalady, Kerala
 - Computer Science and Engineering, CGPA: **7.97**
- **Higher Secondary Education** Jun 2019 - Jun 2021
 - Bethsada Public School, Vengola, Perumbavoor, Kerala
 - Percentage: **90%**
- **High School Education** Jun 2007 - Jun 2019
 - Bethsada Public School, Vengola, Perumbavoor, Kerala
 - Percentage: **90%**

PROJECTS

- **Fundamental Analysis Application**
 - Developed an **AI-powered** web application to automate multi-year fundamental analysis of listed companies, including Piotroski F-Score and key financial ratios, potentially reducing manual analysis **time by 60%**.
 - Provides faster, data-driven investment decisions, and provides structured, consistent AI-powered analysis across large datasets to enhance reliability, usability, and informed investment decision-making.
 - Implemented a scoring engine with dynamic visual indicators and actionable insights while building modular, secure **RESTful APIs** with full **CRUD** functionality, user authentication, data validation, and error-handling, manual testing, unit testing, integration and end-to-end testings for financial data and reporting pipelines.
 - Tech Stack: **Node.js, Express, MongoDB, Mongoose, React.js, Docker, Git, GitHub**
- **Retrieval-Augmented Generation (RAG) Powered QnA Application**
 - Built an **AI-driven** platform enabling context-aware question answering from uploaded documents using a RAG (Retrieval-Augmented Generation system), handling multiple document types and formats with high accuracy.
 - Implemented document **chunking**, **embeddings** generation, and **retrieval** pipelines to provide real-time responses with conversational context, with chat history tracking and pronoun resolution for improving user experience.
 - Designed modular backend APIs for ingestion, storage, and retrieval of documents with an interactive chat interface for seamless user interaction, while leveraging advanced **AI frameworks** (LangChain, ChromaDB) to improve semantic search, answer accuracy, and system scalability for enterprise-grade performance.
 - Tech Stack: **Node.js, Express, MongoDB, ChromaDB, LangChain, React.js, Docker, Git, GitHub**
- **Digitown Application**
 - Developed a multi-module mobile application digitizing town-level public services for over **300 residents**, enhancing civic engagement, operational efficiency, and public service management via digital transformation.
 - Delivered modules hospital appointments, palliative care, payments, blood bank, and transport scheduling, featuring a **GPS-enabled driver app** with real-time tracking, cloud synchronization, and automated scheduling
 - Integrated **Razorpay** payments, real-time notifications, and secure backend services, ensuring high availability, data integrity, and system scalability across all interconnected modules.
 - Improved user adoption, workflow efficiency, and system performance through responsive UI/UX design, state management optimization, and a modular, maintainable architecture supporting long-term scalability.
 - Tech Stack: **Dart, Flutter, Firebase, Firestore, Git, GitHub**

CERTIFICATES

- **NPTEL – Artificial Intelligence (Top 5%, Elite Silver)** Certification Oct 2024
- **Springboard – Artificial Intelligence Foundation Certification and Primer Certifications.** Aug 2024