

ADHEENA DEV

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OBJECTIVE

Software Engineer with 1+ year of experience specialising in full-stack development with React, NestJS, and PostgreSQL. Experience in building scalable applications end to end.

WORK EXPERIENCE

Software Engineer – Techtaliya

(October 2024 - Current)

- Developed a hotel revenue and performance dashboard using React and NestJS, enabling managers to monitor occupancy, bookings and revenue KPIs in real time, reducing reporting time by 20%.
- Performed data analytics on large datasets, generating actionable insights to support business strategy.
- Delivered an end-to-end fee management solution for a client institution, handling 500+ student accounts, automating payment tracking and reports and optimising administrative processes.
- Enhanced UI/UX across projects improving user engagement metrics by 25% on average.

TECHNICAL SKILLS

- **Programming:** JavaScript, TypeScript, Python, C
- **Web Development:** React, Next.js, NestJS, HTML, CSS
- **Databases:** SQL, PostgreSQL
- **DevOps:** Docker, Kubernetes

CERTIFICATIONS

- Google Data Analytics – Coursera
- Web Mastery: Building the Digital Frontier – Additional Course
- Web and Mobile app development at AHHA Solutions

PROJECTS

Book Recommendation System & AI-powered Search

- Developed an AI-powered book recommendation and search system, enabling users to find relevant books based on preferences and semantic similarity, improving search relevance compared to baseline keyword search.

- Built the UI using Streamlit and handled large datasets with Pandas, integrating SentenceTransformers for text embeddings.
- Implemented scikit-learn similarity algorithms and BM25Okapi semantic search, providing fast and accurate recommendations for 10000+ books.

Stock Portfolio Analyser | Collaborative Project

- Developed the frontend of a Python-based stock analysis tool, creating a responsive and interactive dashboard for real-time market insights.
- Integrated with custom APIs to fetch live stock data, enabling investors to make informed decisions.
- Designed intuitive charts and visualisation features that improved user engagement by 30% during testing with pilot users.

EDUCATION

B.Tech in Computer Science and Engineering

APJ Abdul Kalam Technological University | 2020 – 2024

CGPA: 8.61 / 10

ACHIEVEMENTS

- Awarded the “Emerging Star Award” by Techtaliya
- Received a scholarship throughout college for academic excellence.