Nihal B

Btech Computer Science

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⭘ Nihalb
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TECHNICAL SKILLS

Web Development: HTML, CSS, JavaScript, React.js, Next.js
Backend Development: Node.js, Express.js, FastAPI, REST APIs, MongoDB, Firebase
Programming Languages: JavaScript, Python, C
Database Concepts: CRUD operations, schema design, data validation
Version Control: Git, GitHub
Currently Learning: System design basics, API optimization, AI-assisted features

WORK EXPERIENCE

Pricesenz   Dec 2024 - Present
FullStack Engineer

- Built and maintained enterprise web applications involving **LLM-based chat, agent, and assessment workflows**.
- Improved **context handling**, **chat history persistence**, and **response consistency** across multi-turn interactions.
- Enhanced **streaming output quality** and **structured data rendering**, including **tables and formatted responses**.
- Optimized **application performance** and **token usage** through **debugging** and **refactoring**.

Tecnavis Web Solutions Pvt Ltd   July 2024 - Nov 2024
Software Developer

- Played a pivotal role in **End-to-end development**,implementing scalable solutions using **React.js, Node.js and Express.js**.
- Managed **server infrastructure** and optimized **database management** with **MongoDB** for high performance and reliability.
- Implemented user authentication, product management, and real-time chat functionalities within the admin dashboard of a trading platform.
- Designed and implemented **User, Counter** and **Admin Modules**, streamlining queue management and enhancing operational efficiency.

Tecnavis Web Solutions Pvt Ltd   Feb 2024 - April 2024
Software Developer Intern

- Designed and implemented a **Queue Management System** using **React.js** to enhance customer service processes.
- Collaborated with team members to design and develop system functionalities using contemporary web development technologies.

PROJECTS

•STARLIGHT - A DEEP-LEARNING BASED WEB APPLICATION   *May 2024*

Worked in a team of four to develop an application that removes noise from images while preserving key details.

- **Tools & technologies used:** Keras, TensorFlow,Flask,JavaScript,Git
- The system provides an effective deep learning-based solution for real-world image denoising, leveraging the RIDNet CNN architecture to remove noise while preserving crucial details in images from various domains like photography, scientific imaging, and more.

•INSIGHTIFY - A RESULT ANALYSIS REPORT GENERATOR   *June 2023*

Worked in a team of four to develop an application that analyzes student performance data from KTU Result PDFs.

- **Tools & technologies used:** Python, Camelot, Pandas, Streamlit
- This system offers an intuitive interface that enables its users to access and interpret examination results effortlessly. The system integrates seamlessly with the existing infrastructure, ensuring smooth data retrieval and processing.

•MEDCARE - HOSPITAL MANAGEMENT SYSTEM   *Feb 2023*

Computerized system designed to manage various activities in a hospital

- **Tools & technologies used:** MySQL, PHP, AlpineJS
- The hospital management system database project offers numerous benefits for both patients and staffs.The primary goal is to improve the efficiency and effectiveness of a hospital.

LEADERSHIP EXPERIENCE

•IEEE   *June 2023 - June 2024*
IEEE RAS SECRETARY

– Actively volunteering for IEEE, holding the position of RAS Secretary at the college level.

•NSS   *July 2022 - Aug 2023*
NRPF Coordinator

– Engaged as a dedicated volunteer for the National Service Scheme (NSS) during college tenure.

CERTIFICATES

•Neo4j Certified Professional: Accredited certification from Neo4j GraphAcademy   *July 2025*

•Web Development: MERN Stack Certification from Udemy, Course by Dr. Angela Yu   *May 2024*

•Note-Taking App: 7-Day Bootcamp on Note-Taking App Course by Devtown   *July 2022*

•IoT: 7-Day Internship on Internet of Things (IoT) by Pacelab   *2021*

EDUCATION

•Mes College of Engineering,Kuttippuram   *2020-2024*
Bachelor of Technology in Computer Science   CGPA: 6.9

•PMG Higher Secondary School,Palakkad   *2018-2020*
Plus Two, Kerala   CGPA: 8.16

•Bharathamatha Higher Secondary School,Palakkad   *2018*
10th Board, Kerala