Uday Raj

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https://leetcode.com/_UdayRaj_/

EDUCATION

B.Tech in Computer and Communication Engineering,   2021 – 2025 | Chennai, India
Amrita Vishwa Vidyapeetham

PROJECTS

Next JS Portfolio
Next JS
- Implemented a Next.js portfolio with innovative and creative design elements, showcasing my ability to create engaging web experiences
- Ensured the portfolio is responsive across various devices, guaranteeing accessibility and usability for all users.
- Integrated personalized features into the Next.js portfolio, highlighting creativity and adaptability in development.

Library Management System in Java (OOP)
Java Object-Orientation Programming
- Solely developed the Library Management System project from conceptualization to implementation.
- Applied Object-Oriented Programming principles such as encapsulation, inheritance, and polymorphism to design and implement the Library Management System, ensuring code modularity, reusability, and maintainability.
- Implemented robust data structures and algorithms to ensure efficient book management and user interactions.

AutoScriptMaster
Artificial Intelligence
- Integrating OpenAI's GPT with LangChain to advance language processing.
- Created optimizations for the AutoGPT-using-LangChain system, ensuring a 20% improvement in processing efficiency.
- Led a multidisciplinary team effectively contributing to a total of 16% uphill in system effectiveness and responsiveness.

SKILLS

- **Technical Skills -** Data Structures and Algorithm , Web Development ,Machine Learning ,Deep Learning , Data Analytics/Data Analysis ,Debugger
- **Hardware Skills -** Jetson-Nano , STM-32 , ARM
- **Programming Languages** - Java , JavaScript , Python , SQL , C , HTML, CSS
- **Frameworks** - React , Next , Native
- **Soft Skills** - Leadership , Collaboration , Public Speaker , Optimism , Presentation Abilities , Organized , Responsible

CERTIFICATES AND COURSES

- **Java 17 Masterclass - Proficiency in Java by Udemy**   Dec 2023
- **Deep Learning Specialization - Neural Network by OpenAI**   Sep 2023
- **Course Master ChatGPT - Prompt Engineering by ChatGPT**   Sep 2023
- **Supervised Machine Learning: by Stanford University**   Aug 2023
- **Introduction to Data Analytics by IBM**   Aug 2023

ACHIEVEMENTS

- **Award-Winning Coder**   Mar 2024
Secured first place in a national coding challenge, demonstrating top-tier problem-solving skills and coding proficiency

- **Second Place Finisher**   Mar 2024
Secured second place in a national coding event, highlighting strong coding and competitive prowess.

- **Second place in Smart India Hackathon**   Nov 2023
Achieved second place in the Smart Streetlights Control in the University