MANYA ACHANTA

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Technical Skills

Programming Languages : Python, Java, Javascript C, C++
Web Technologies : Node.js, Angular, HTML, CSS, RESTful API, React.JS
Databases : MongoDB, MySQL, SQL Server, Postgres
Cloud & DevOps Tools : AWS, Azure, Docker, Kubernetes, Git, JIRA
Software Development Practices : Object Oriented Programming, Data Structures Algorithms, Low-Level Design (LLD), Agile Methodology

Experience

University Of Central Florida   Jan 2024 – Present
Teaching Assistant   *Orlando, Florida*
- Redesigned curriculum modules for **Object Oriented Programming**, addressing key learning gaps and improving assessment scores by 20%.
- Mentored over 50 students in advanced programming concepts, focusing on **data structures and algorithms**.
- Facilitated hands-on sessions to enhance problem-solving and coding skills, aligning with core course objectives.

Kaar Technologies   Oct 2022 – Dec 2023
Software Engineer Intern   *Chennai, India*
- Developed scalable web applications using **Angular and Node.js**, improving system efficiency by 20% for 500 employees.
- Developed an employee management portal, reducing task completion time by 15% for HR personnel
- Designed and integrated **RESTful APIs**, ensuring seamless data flow and optimized back-end services.
- Engineered responsive interfaces for 7 business-critical portals, streamlining operations and boosting productivity.
- Enhanced database performance with**MySQL**, reducing query times and maintaining data integrity.

Echeveria Educations Private Limited   Apr 2022 – Jul 2022
Full Stack SDE Intern   *Chennai, India*
- Built a **React.js**-based search engine with advanced filtering, reducing user search time by 30%.
- Optimized functionality to handle over 1,000 daily queries, increasing platform engagement.
- Conducted rigorous testing and debugging to ensure system reliability and a seamless user experience.

Projects

BookMyShow Clone | *React.js, Tailwind CSS, Node,JS*   Dec 2024
- Built a scalable ticket-booking system optimizing API performance, reducing query response time by 30%.
- Developed user authentication, event listings, and ticket-booking features in a responsive full-stack application.
- Deployed on Vercel, demonstrating expertise in cloud deployment and modern development practices.

Quality Restoration of Vintage Videos | *Python,OpenCV,TensorFlow*   June 2024
- Applied **machine learning models (DeOldify, ESRGAN)** to restore historical videos with 95% accuracy.
- Engineered a pipeline that reduced processing time from five hours to two hours, enhancing efficiency by 60%.
- Reconstructed frames into high-quality videos, showcasing expertise in video processing and deep learning.

Education

University Of Central Florida   Jan 2024 – Dec 2025
Master of Science in Computer Science   *Orlando, Florida GPA - 4.0*

Meenakshi Sundararajan Engineering College   Aug 2019 – May 2023
Bachelor of Engineering in Computer Science   *Chennai, TamilNadu GPA - 3.7*

Certifications

IBM Certified Developer – PRAI05EN   Feb 2023
Issued by ICT Academy

Developed a machine learning model using TensorFlow and OpenCV to classify fruit images and provide detailed nutrient content, achieving 92% accuracy.Integrated a user-friendly pipeline to assist fitness enthusiasts in tracking dietary intake efficiently.