Nishanth J

Chennai, India

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EDUCATION

Chennai Institute of Technology   *Chennai, India*
B.E in Computer Science and Engineering   *CGPA: 8.56 / 10*   2021 – 2025

WORK EXPERIENCE

Global Tech Engineering Services Pvt Ltd.   *[HTML, CSS, JavaScript, Django, SEO]*   *Chennai, India*
WEB DEVELOPER INTERN   JUNE 2023 – NOV 2023

- Developed a popular online platform showcasing unique products. Led frontend development, focusing on UI/UX design with HTML, CSS, and JavaScript.
- Engineered backend infrastructure using **Django and PostgreSQL**, optimizing database queries, which resulted in **a 40% faster loading time** for web pages and **decreased bounce rate by 25%.**

TECHNICAL SKILLS

Technical area and Programming – Data Structures, Algorithms, Python, Java (OOPs), C++
Libraries/Frameworks - React.js, Express.js, Next.js, Git, Node.js, Django, Kubernetes, Selenium, Docker, HTML5, CSS, Tailwind CSS.
Database – MongoDB, MySQL, PostgreSQL.
Platforms & Tools – Vercel , Netlify , Figma, WordPress, Docker.

PROJECTS

Staff Allocation Automator   *[HTML, CSS, JavaScript, PostgreSQL , Python (logic script)]*   Dec 2022

- Produced automated and optimized staff allocation during examination periods, ensuring fair and effective distribution of responsibilities based on user requirements.
- Crafted a single application using **Django** for the backend framework, **PostgreSQL** for the database management, and **HTML/CSS with JavaScript** for the frontend development. Generated logic and functionality using **Python** as the primary programming language**.**
- **Link:** https://staffalloc-server.vercel.app/

Real world Object Detection   Apr 2023

- Composed a real-world object detection project using deep learning and Led it on a Raspberry Pi for hardware processing.
- Utilized **Convolutional Neural Networks (CNNs)** trained on extensive datasets to automatically identify and localize objects within images or video streams in real-time, achieving **object detection accuracy by 90%.**
- **Link:** https://github.com/nxshanth13/Object-detection

Shopping Time   *[React, Node, JavaScript]*   July 2023

- Development of an e-commerce website for a client project, featuring over 150 women's clothing products with customizable attributes.
- Created innovative dynamic cart functionality, allowing seamless item management for users without any use of Database
- **Link:** https://shoppingtime.vercel.app/

Scan hub QR   *[MERN stack]*   Nov 2024

- Generated an Info Services app offering an emergency QR code system to provide vital information quickly during emergencies.
- QR codes can be placed on items like wallet cards, phone cases, or smartphone lock screens for easy access by first responders or anyone in need boosting **user engagement by 40%.**
- **Link:** https://www.rayyanscan.co.in

Tech Nex   *[React, Express, MySQL]*   Feb 2024

- Engineered a test portal for college placements, providing resources and enabling students to take mock tests interviews in the style of companies they're applying to and robust monitoring and security measures, **achieving a 0% cheat rate**.
- Currently developing another version for GATE examination preparation, including mock tests and practice exams and Question bank resources.
- Link: https://github.com/nxshanth13/TechNex

CERTIFICATION

CISCO - Intro to Cybersecurity & Cybersecurity Essentials.   April 2023
UiPath – Robotic Process Automation (RPA).   June 2023
NPTEL - Introduction to Machine Learning.   November 2023
COURSERA - AWS cloud technical Essentials.   December 20203

PUBLICATIONS

- **"Improving the Rate of Facial Emotion Recognition using CNN based Attention Capsule Networks."**   2023
  Nishanth J, R Janarthanan
  Conference**: International Conference on Data science, Agents & Artificial Intelligence (IEEE)**

- **"Automatic identification of Glaucoma from Circumpapillary OCT images through CNN. "**   2023
  Nishanth J, R Janarthanan
  Conference: **International Conference on Data science, Agents & Artificial Intelligence (IEEE)**