

NITHISH RAJADURAI P

📍 Chennai ✉ nithishrajaduraip@gmail.com ☎ +919445119275 🌐 in/nithish-rajadurai-p-700701311 🌐 www.geeksforgeeks.org/user/nithishraf3pb/

SUMMARY

Driven and adaptable software developer seeking opportunities to apply technical expertise in building scalable, efficient, and impactful solutions. Passionate about continuous learning, solving real-world problems, and contributing to organizational success through innovation, collaboration, and high-quality code delivery in dynamic, fast-paced environments.

EXPERIENCE

Machine Learning Intern

VCodez

Dec 2024 – March 2025, Chennai

- Completed a cybersecurity internship at Eagle Tech IT Solutions, focusing on real-time network simulation and security configuration.
- Gained practical experience in IP addressing, subnetting, and configuring routers and switches across diverse network topologies.
- Applied Access Control Lists (ACLs) to permit or deny traffic, strengthening network-level access control and security enforcement.
- Improved understanding of network protocols and security policies through hands-on tasks in simulated enterprise environments.

Cyber Security Intern

Eagle Tech IT Solutions

May 2024 – June 2024, Chennai

- Collaborated on end-to-end development of machine learning solutions addressing real-world classification and prediction problems.
- Gained hands-on experience in data preprocessing, feature engineering, algorithm tuning, and deploying scalable models using Python and Jupyter.
- Contributed to improving model performance through cross-validation, hyperparameter optimization, and evaluation using metrics such as accuracy, precision, recall and f1-score.
- Played a key role in delivering AI-driven projects that demonstrated measurable improvements in prediction accuracy and business relevance.

PROJECT

Intelligent Fake News Detection System

- Designed and deployed a machine learning-based fake news detection system using NLP techniques (TF-IDF, sentiment analysis) and supervised learning models including Logistic Regression, Random Forest, Decision Tree, and XGBoost.
- Achieved 92 percentage classification accuracy on real-world datasets by integrating fact-checking APIs and optimizing model performance for scalable misinformation detection.
- Technologies Used: Machine Learning, Natural Language Processing.

SmartDiab – Early Diabetes Prediction System

- Built a machine learning-based diabetes prediction system using clinical health data, applying preprocessing (missing value handling, normalization, feature selection) and models like SVM and KNN.
- Achieved 88 percentage accuracy on benchmark datasets, enabling proactive risk detection and supporting data-driven decisions in healthcare.
- Technology Used: Machine Learning.

Personal Portfolio

- Created a personal portfolio website using HTML, CSS, and Bootstrap to showcase skills and projects with a clean, responsive design and section-based layout.
- Implemented smooth navigation and deployed the site via GitHub Pages for seamless accessibility, using modular Bootstrap components for scalability and cross-device compatibility.
- Technologies Used: HTML, CSS, JavaScript, Bootstrap, GitHub.

Nquiz – Interactive Web-Based Quiz Application

- Developed a category-based quiz web app using HTML, CSS, and JavaScript with timed questions, real-time progress tracking, and modular logic for dynamic question flow and result evaluation.
- Enhanced user engagement through animated UI, explanation-based review, and responsive design, with scalability planned for performance analytics and retry logic.
- Technologies Used: HTML, CSS, JavaScript.

To-Do List Web Application

- Built a responsive task management app using HTML, CSS, and JavaScript with features for task creation, updates, deletion, and completion, supported by localStorage for persistent state.
- Implemented modular JS for scalability and enhanced usability with real-time UI updates, intuitive filtering, and cross-device compatibility.
- Technologies Used: HTML, CSS, JavaScript.

EDUCATION

Masters in Computer Applications (MCA)

SRM Arts and Science College · Chennai · Sept 2023 – May 2025 · 84%

Bachelors in Mathematics (B.Sc. Maths)

Thiagarajar College · Madurai · June 2018 – May 2021 · 82%

PUBLICATIONS

Improving the Effectiveness of Blockchain and AI-Based False News Detection

IEEE Xplore · November 2024

Improving the Effectiveness of Blockchain and AI-Based False News Detection

Conference · NGISCT-2024 · October 2024

SKILLS

Java, Python, HTML, CSS, JavaScript

React.js, Node.js, Spring Boot, jQuery, Bootstrap, Scikit-learn

Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Natural Language Processing, Feature Engineering, Model Evaluation

VS Code, GitHub, Eclipse, Jupyter Notebook, MySQL, Docker, Kubernetes
