STEFFY ROESY J A

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SUMMARY

Computer Science Engineering graduate ranked in the top 0.2% at Anna University (state level), with hands-on experience in Java, Python, SQL, and web development. Adept at crafting scalable, efficient code and delivering functional applications through clean architecture and testing practices. Valued for problem-solving acumen, adaptability, and strong communication skills. Focused on contributing to innovative projects and continuous professional advancement in dynamic tech environments.

SKILLS

Programming & Web Technologies: Python, Java, JavaScript, SQL, HTML5, CSS3
Frameworks & Tools: React, Django, Flask, GitHub, VS Code, Postman, WordPress, Jira, OWASP ZAP
Platforms & Concepts: AWS, MySQL, PostgreSQL, Windows, Linux (Ubuntu), Networking, Agile SDLC, Machine Learning.

PROJECTS

Farming Assistance System – ML-Based Agricultural Recommender
- Developed a machine learning-based solution using XGBoost and ResNet to recommend crops and fertilizers, enhancing yield prediction accuracy by 25%.
- Built an interactive web app with Flask, HTML, CSS, and JavaScript, integrating real-time plant disease diagnosis, weather forecasting (via Weather API), and multilingual support (via Translation API).
- Streamlined data flow and model performance using Python and MySQL, ensuring precise insights with dynamic weather conditions and localized user interaction.

University Admit Eligibility Predictor - IBM Guided Project
- Created a data-driven Flask application to predict student admission chances with 92% accuracy based on historical university admission data and user profiles.
- Designed and implemented a responsive frontend and real-time database connectivity, improving accessibility and speed of admission eligibility checks.
- Applied Python data science libraries and Agile methodologies to analyze large datasets, ensuring precise, data-backed admission predictions.

Task Planner App (Anime - Themed)
- Designed and developed a user-friendly task planner with an anime-inspired UI, enabling users to organize daily activities with personalized themes and smooth transitions.
- Implemented CRUD functionality using JavaScript and local storage for task management without server dependencies.
- Enhanced UX with interactive animations, responsive design, and organized layout, boosting engagement and usability across devices.

EDUCATION

Bachelor of Engineering – Computer Science and Engineering
CARE College of Engineering, Trichy · Affiliated with Anna University   2019 - 2023

CGPA: 9.32 / 10.00 | Top 0.2% at Anna University(state level) | Best Outgoing Student Nominee
- Graduated with distinction, securing 18th rank at Anna University, placing in the top 0.2% of students across the state.
- Honoured with multiple recognitions for academic excellence and leadership, including a nomination for the Best Outgoing Student Award and serving as Vice President of the English Literary Club

CERTIFICATIONS

- Data Science Methodology – IBM (Coursera)
- HTML, CSS, and JavaScript for Web Developers – Johns Hopkins University
- Build a Free Website with WordPress – Coursera
- IBM Guided Project "University Admit Eligibility Predictor" - ICT Academy

EXPERIENCE

INTERNSHIP - National Small Industries Corporation   July 2022 (1 week)
Gained hands-on exposure to embedded systems integrated with AI & IoT during an offline internship at the National Small Industries Corporation.

ACHIEVEMENTS

Anna University 18th Rank Holder | Best Female Student | Best Outgoing Student (Nominee) | School President

English Club Vice President | NSS Team Member (2 yrs)