Vasundra laksmi G V

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GitHub: vasundra-git   LinkedIn: vasundra-lin

Skills

- **Programming Languages:** Java(Advanced), C,Python (Intermediate)
- **Tools:** Linux, Windows
- **Technologies:** HTML, CSS, Javascript ,SQL, Flutter(Android Development)
- **Frameworks:** React
- **Other Skills:** Communication, Designing, Exploring new technologies

Education

- **B.Tech - Information Technology**, Anjalai Ammal Mahalingam Engineering College, Thiruvarur
  2021–2025 — CGPA: 8.7
- **Higher Secondary**, St. Joseph Girls Higher Secondary School, Thiruvarur
  2020–2021 — Percentage: 90%
- **SSLC**, Government Girls Higher Secondary School, Thiruvarur
  2018–2019 — Percentage: 91%

Languages Known

English, Tamil, Hindi

Workshops

Participated in a workshop on **Cryptography** at the **National Institute of Technology (NIT).**

Projects

AI Powered Smart Bordering Security System:
- Built a real-time surveillance system using YOLO for activity detection and Grassmann algorithm for face recognition, improving accuracy and reducing false positives.
- Optimized video processing pipeline with Python, OpenCV, and deep learning frameworks, enabling scalable deployment and faster threat recognition in live surveillance feeds..

Fake News Detection:
- Implemented a machine learning pipeline using Python, NLP techniques (TF-IDF, word embeddings), and classification algorithms (Logistic Regression, Random Forest) to detect fake news with high accuracy.
- Optimized text preprocessing using NLTK and spaCy for tokenization, stopword removal, and lemmatization, improving model performance by reducing noise in the data.

Stock Maintenance System:
- Developed an object-oriented Stock Maintenance System using Java and MySQL, implementing data structures for efficient inventory management, reducing retrieval time by 30%.
- Designed and optimized database schemas, ensuring ACID compliance and improving query performance by 40% through indexing and normalization.

Internships

Big Data & Predictive Analytics-Central University of Tamil Nadu
- Analyzed large-scale e-commerce datasets using Python, Pandas, and Spark to identify customer behavior trends and optimize sales predictions.
- Developed and fine-tuned machine learning models with Scikit-learn and TensorFlow, leveraging predictive analytics to enhance recommendation systems

Backend Development-Marcello Tech
- Developed and optimized backend APIs using Node.js and Express.js, ensuring efficient data handling and reducing response time by 30% through query optimization in MongoDB.
- Implemented secure user authentication and role-based access control (RBAC) with JWT and bcrypt, enhancing system security and protecting sensitive data.

Certifications

- **Network Essentials** by CISCO
- **Python Basics** by CODESOFT
- **CyberSecurity** by IBM
- **Microsoft Office** by Microsoft
- **Big Data** by Infosys