PRABU JAYANT

Bangalore, India

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Objective: To secure a Software Developer Intern role at Walmart, contributing to the development of innovative industrial software solutions that integrate data, AI, and human insight.

Education

RV College of Engineering   **Bangalore, India**
B.E. in Computer Science Engineering (Cybersecurity), GPA: 8.7   *Aug 2022 – May 2026*
- Relevant Courses: Operating Systems, Data Structures, Analysis of Algorithms, Computer Networks

EXPERIENCE

Juniper Networks   **July 7, 2024 - Present**
Project Intern   *Bangalore, India*
- **Cloud Service Identification**: Developed **AI/ML** models to identify **cloud service providers**, **API endpoints**, and activities from **live traffic**.
- **Technical Skills**: Utilized **proxy tools** (**Burp Suite**) and **packet capture software** (**Wireshark**) for **traffic analysis**.

SkySecure Ltd   **Nov 2023 – Dec 2023**
Research Intern - AI in Cybersecurity   *Bangalore, India*
- Developed an **LSTM-based Network Intrusion Detection System** providing real-time protection against financial fraud and data breaches. Utilized the sequential data analysis capabilities of **LSTM** to detect anomalies in network traffic patterns, achieving an **accuracy of 92.83%** and an **F1 score of 94.25%**.

PROJECTS

News Application ⧉ | HTML5, CSS3, JavaScript, News API
- **Created a responsive news app, retrieving over 10,000 real-time articles daily,** featuring categorized browsing and enhanced user interaction.

Book Store Management System ⧉ | MERN Stack, MongoDB, Express.js, React, Node.js
- Built scalable, secure e-commerce platform using MERN Stack.
- Implemented robust user authentication, authorization and CRUD operations.
- Demonstrated expertise in cloud-ready, microservices-based architecture.

CineAI ⧉ | TensorFlow, Python, NumPy, Pandas, scikit-learn, OpenCV
- **Predicted movie genres with 85% accuracy**, improving genre classification by 30% through multimodal analysis of images and text.

MediSync ⧉ | IoT, Machine Learning, PCA, Isolation Forest, Z-score, Python, TensorFlow
- **Developed an IoT healthcare system** using PCA for anomaly detection, comparing **3 principal components** to analyze vital signs. Achieved **early detection of anomalies** with real-time data processing and visualized results for actionable insights.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, JavaScript, HTML, CSS, MATLAB, SQL, Node.js
AI/ML Frameworks: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Keras, Seaborn, Matplotlib
Web Development: MERN Stack, React, Express.js, MongoDB, Mongoose, Tailwind CSS, Vite
Tools/Technologies: Git, GitHub, VS Code, Jupyter Notebooks, Data Visualization
Soft Skills: Problem Solving, Debugging, Teamwork, Critical Thinking, Adaptability, Time Management

CERTIFICATIONS

- Machine Learning Specialization - DeepLearning.AI
- CCNA 1 - Cisco Certified Network Associate
- Google Cloud Computing Foundations - Google

PUBLICATIONS

- Smart Health Monitoring and Anomaly Detection Using IoT and AI- ICoICI 2024
- Intrusion Detection Using LSTM and Deep Learning - ICCCNT 2024