M Surya

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Professional Summary:

Detail-oriented Software Engineer with a strong foundation in Object-Oriented Programming, Full Stack Development, and Machine Learning. Skilled in building scalable web applications using ReactJS, Node.js, and MongoDB, and experienced in REST API development, cloud deployment, and database management. Proficient in designing AI-driven solutions, applying deep learning models, and collaborating in Agile development teams. Seeking to leverage technical expertise and problem-solving skills to deliver robust, high-performance software solutions.

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, SQL
- **Frontend:** HTML5, CSS3, ReactJS, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, REST API Development
- **Databases:** MongoDB, MySQL
- **Machine Learning & AI:** Scikit-learn, TensorFlow, XGBoost, CNN, BiLSTM
- **Developer Tools:** Git/GitHub, VS Code, Docker (Basics), Agile/Scrum
- **Other:** Data Annotation, Data Versioning Systems, Unit Testing

Education:

Course	Institute	Board/University	Year Of Passing	Percentage/CGPA
B. Tech (CSE-AI)	Vemu Institute of Technology	JNTU Anantapur	2025	75
Intermediate	Sri Chaitanya Jr College	State	2021	85
S.S.C	Little Rose English Medium High School	State	2019	9.2

Internships

AI Data Quality Analyst Intern | Rooman Technologies | Feb 2025 – Jun 2025

- Processed and curated large-scale datasets, improving data quality by 20% for AI model training.
- Identified and resolved labelling errors using Python (Pandas, NumPy) and SQL, enhancing dataset accuracy.
- Collaborated with data scientists to develop data pipelines that directly boosted model performance.

AI Development Virtual Intern | Infosys Springboard | Nov 2024 – Feb 2025

- Developed an AI-driven decision support system to predict patient follow-up needs using healthcare datasets.
- Applied supervised learning and deep learning models, achieving an accuracy improvement of 15%.
- Contributed to REST API integration for real-time predictions in a telemedicine platform.

Projects

PhishCatcher 2.0: Real-Time Web Spoofing Défense

- Designed a phishing detection system using CNN & BiLSTM models to block spoofing attacks in real-time.
- Engineered 50+ URL-based features and trained models on large datasets, achieving a high F1-score.
- Built a complete backend with prediction APIs, logging, and alerting system for real-time threat detection.

- **Tech Stack:** Python, TensorFlow, Node.js, Express.js, JavaScript

AI-Driven Telemedicine Support System

- Developed an AI-powered tool to predict patient health outcomes and follow-up actions.
- Implemented Random Forest, XGBoost, and Deep Learning models, improving risk assessment accuracy.
- Integrated predictions into a ReactJS frontend with Node.js APIs, enhancing usability for healthcare providers**.**
- **Tech Stack:** Python, Scikit-learn, TensorFlow, Node.js, ReactJS

Certifications & Achievements

- **Paper Presentation:** Presented at PIXEL 2K23 at JNTUA University, Anantapur**.**
- **NPTEL Certification:** Internet of Things (Silver Medal).
- Java Full Stack Developer Certification from **Wipro**.
- Infosys Springboard Certification from **Infosys.**
- **Coursera Certifications:** Introduction to Java, Foundations of Cybersecurity, Google AI Essentials.

Languages: Tamil (Native), English (R/W/S), Telugu (R/W/S), Hindi (S), Spanish (R/S)