Neelam Naga Saivenkata Suryavenu

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Education

Vellore Institute of Technology, Chennai — Sep 2021 – Present
B.Tech - Computer Science and Engineering, 9.06/10 CGPA — *Chennai, IND*

Experience

Full Stack Developer Intern — June 2024 – Present
IdeaEdu — *Chennai, Tamil Nadu*
- Develop and implement a Call Management System using MERN stack and Twilio for efficient post-development services.
- Log and store incoming call information and issue data in the database for tracking and prioritization.
- Build secure sign-up and sign-in portals with password encryption and authorization methods to prevent unauthorized access.
- Utilize an Incident Priority Matrix to automatically set priority levels based on urgency and impact of issues.

Hybrid App Developer Intern — Aug. 2023 – Sep. 2023
Mile Deep Works Pvt Ltd. — *Kakinada, Andhra Pradesh*
- Developed hybrid mobile apps using Cordova, HTML, CSS, and JavaScript; created backend API calls with PHP and MySQL.
- Managed project hosting on AWS and published apps to Google Play Store using Google Play Console.
- Utilized GitHub for project management and team collaboration.

Full Stack Developer Intern — June 2023 – July 2023
Capabl — *Online*
- Excelled in Python and Java at Capabl India, showcasing development skills with projects like Hangman game [Python] and an online bookstore [Java].
- Ready to apply internship experience to tackle new challenges in the tech industry with creativity and innovation.

Projects

Call Management System | *MongoDb, ExpressJS, ReactJS, NodeJS, Figma*
- Developed a Call Management System, to redirect calls and keep track of incidents based on an Incident Priority Matrix.
- Utilised the MERN Stack, Twilio (Programmable Communication Tool) and Google Drive API.
- Role: Full-Stack Developer.

AyushOneStopPortal | *PHP, XAMPP, MySQL, HTML, CSS, JS*
- Addressed industry fragmentation and lack of collaboration of AYUSH Organization, by centralizing resources and creating a one-stop platform for all its stakeholders.
- Utilized Apache Web Server, PHP interpreter, and MySQL in XAMPP control panel for back-end services.
- APIs: Alpha Vantage API, OpenStreetMap API.
- Role: Full-Stack Developer.

Enhancing Malware Detection and Classification with CNN | *TensorFlow, Pandas, Keras, NumPy, Scikit-learn, Matplotlib*
- Developed a CNN-based framework for malware detection and classification, achieving up to 98.1% accuracy.
- Conducted robust evaluation with hold-out cross-validation, achieving high performance with accuracy consistently exceeding 92%.
- Role: Machine Learning Engineer.

Positions and Responsibilities

Core Member [Sahayatha Club: Sep 2023 – Present] Skills: Photography, Marketing, Social Media, Management. **Asst. Team Lead**[SIH Hackathon 2023: Sep 2023 – Oct 2023] Skills: Team Coordination, Team Leadership, Team Management, Team Motivation, Team Work. **Member**[VITFAM: Dec 2022 – Apr 2023] Skills: Marketing, Management, Team Work. **Assistant School Pupils Leader Boys**[KVHVF: Apr 2019 – Apr 2020] Skills: Leadership, Public Speaking

Skills

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, PHP, TypeScript
Frameworks: ReactJS, Node.js
Languages: English, Hindi, Telugu, Tamil, Sanskrit

Certifications, Publications & Patents

Publications: Enhancing resource utilization and privacy in IoT data placement through fuzzy logic and PSO optimization [SpringerLink, Cluster Computing] **Patents:** A BABY MONITORING SYSTEM, AND METHOD THEREOF [Utility Patent] **Certifications:**Data Analytics With Python-78% [NPTEL], Ethical Hacking-90% [NPTEL], AMAZON-AWS CERTIFIED SOLUTION ARCHITECT ASSOCIATE [Ongoing]