S. KASINADH SARMA

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SUMMARY

Full-Stack Developer with a strong foundation in web development, database management, and cloud technologies. Proficient in building scalable and responsive web applications using modern frameworks like React, Node.js, and Django. Experienced in deploying applications on cloud platforms like Google Cloud and AWS. Seeking a challenging role in full-stack development to create innovative and user-friendly solutions.

EXPERIENCE

Security Researcher   TryHackMe

- Engaged in TryHackMe to enhance cybersecurity skills, focusing on practical application of security concepts.

- Completed various rooms and challenges, covering topics like web security, network security, and cryptography.

- Developed proficiency in using security tools and techniques for vulnerability assessment and penetration testing.

Summer Trainee   Intel Unnati

- Participated in Intel Unnati's summer training program and gained insights into various machine learning projects.

- Developed an AI project on road object detection using the COCO dataset with a GUI-based GTK version.

PROJECTS

Urban Development AI | GitHub

- AI-driven analysis and optimization of urban infrastructure and development planning.

- Uses deep learning models for land-use classification and predictive analytics.

Safe Browsing | GitHub

- Developed a secure browsing extension that detects phishing and malicious websites using ML algorithms.

- Implements real-time analysis for improved cybersecurity and safer internet browsing.

Emergency Vehicle Detection | GitHub

- Designed a system to detect emergency vehicles and optimize their routes using AI-based traffic analysis.

- Utilizes YOLO for object detection and reinforcement learning for pathfinding.

Diabetic Retinopathy Detection | GitHub

- Developed an AI model to detect diabetic retinopathy in retinal images using deep learning.

- Implements CNNs for image classification and severity grading.

Crop Prediction System | GitHub

- AI-based crop prediction model using environmental and soil parameters.

- Helps farmers make informed decisions based on predictive analytics.

Food Safety Analysis | GitHub

- AI-powered food safety detection system for quality analysis and contamination identification.

- Uses computer vision and deep learning for real-time monitoring.

- **Programming:** JavaScript, Python, HTML5, CSS3
- **Web Development:** React, Node.js, Django, RESTful APIs
- **Database:** MongoDB, MySQL, PostgreSQL
- **Cloud:** Google Cloud Platform, AWS, Docker, Kubernetes
- **Tools:** Git, Jira, Postman, VS Code
- **Soft Skills:** Communication, Problem-solving, Teamwork

EDUCATION

Parul University   Vadodara
B.Tech in Computer Science and Engineering (Cyber Security)   November 2020 - March 2024
CGPA: 7.46

CERTIFICATIONS

- Introduction Of IoT - **NPTEL**
- Introduction to programming Using Python - **HackerRank**
- Cybersecurity Roles, Processes & Operating System Security - **Coursera, IBM**
- Networking Basics - **Cisco**
- Networking Devices and Initial Configuration - **Cisco**
- Introduction Of Cyber Security - **Cisco**
- Google Cloud - **Google Cloud Skills**
- Google Professional Cyber Security - **Google Professional Cyber Security**