

S. KASINADH SARMA

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SUMMARY

Research and Development professional with a strong background in AI, machine learning, and cybersecurity. Proven ability to conduct cutting-edge research, develop innovative solutions, and translate research findings into practical applications. Proficient in Python, TensorFlow, PyTorch, and cloud technologies. Seeking a challenging role in research and development to drive technological advancements and create impactful 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

VishwamAI

GitHub

- Developed advanced machine learning models using transformer architectures and model quantization.
- Enhanced distributed training protocols for scalable applications.

ProteinFlex

GitHub

- Built an AI-driven protein structure prediction tool with interactive 3D visualization.
- Implemented real-time mutation impact analysis using LLM-based contextual querying.

Urban Development AI

GitHub

- Designed an AI-powered urban planning tool using geospatial data analytics.
- Developed land-use classification and sustainable infrastructure planning models.

Vicharcha


GitHub


- Developed an innovative platform to facilitate technical discussions and collaborative research.
- Integrated machine learning algorithms for content recommendation and sentiment analysis.

RESEARCH ARTICLES

- **EVM.ova Security Assessment: A Penetration Testing and Vulnerability Analysis Project**
Link
- **NextGenJax: A Comprehensive Analysis of State-of-the-Art Machine Learning Libraries and Models**
Link
- **Revolutionizing Machine Learning: The Emergence and Impact of Google's TPU Technology**
Link


SKILLS

 **Programming:** Python, Java, C/C++

 **AI/ML:** TensorFlow, PyTorch, NLP, Computer Vision, gym, jax, flax

 **Cybersecurity:** Penetration Testing, Network Security

 **Cloud:** Google Cloud Platform, AWS, Docker, Kubernetes

 **Tools:** Git, Jira, Wireshark, Metasploit

 **Soft Skills:** Communication, Problem-solving, Teamwork

EDUCATION

Parul University
B.Tech in Computer Science and Engineering (Cyber Security)
CGPA: 7.46

Vadodara
November 2020 - March 2024

CERTIFICATIONS

- Introduction to Programming Using Python - **HackerRank**
- Google Cloud - **Google Cloud Skills**
- AWS Certified Developer - Associate - **AWS**