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Objective

Motivated and detail-oriented final-year undergraduate specializing in **IoT**. Seeking an entry-level role in the **software domain** to leverage my technical skills, contribute to impactful projects, and continuously learn and adapt to emerging technologies while driving innovation and delivering robust solutions.

Education

Mohan Babu University – Sree Vidyanikethan Engineering College, Tirupati

Bachelor of Technology in Computer Science (Internet of Things)

Expected Graduation: 2025

Technical Skills

- **Programming Languages:** Python, Java, SOQL
 - **Cloud Platforms:** AWS, Google Cloud Platform (GCP)
 - **Databases:** SQL, MongoDB
 - **Version Control & CI/CD:** Git
 - **Backend Management:** Expertise in SQL database structuring and IAM-based cloud security management
 - **Machine Learning:** TensorFlow, Python, R
 - **Soft Skills:** Leadership, team collaboration, adaptability, strong observation power
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Professional Experience

Founder & Backend Engineer – KMSIgnites.dev

March 2023 – Present

- Established a student-driven software company during undergraduate studies, fostering a collaborative environment for students to develop real-world software solutions.
- Led a team of student developers to design and deliver scalable microservices for SaaS applications using Web Technology and cloud computing.
- Managed end-to-end development processes, including backend engineering, containerization with Docker, and deployment on Kubernetes clusters to optimize resource allocation and reliability.

- Collaborated with global clients to deliver tailored software solutions, troubleshoot critical issues, and improve application robustness.
- Mentored team members in technical skill development and project management, creating a culture of continuous learning and innovation.

Salesforce Developer Intern – Smart Internz

June 2024 – August 2024

- Configured and customized Salesforce apps using APEX, SOQL, and LWC to meet organizational needs.
 - Migrated on-premise data and servers to Salesforce Cloud, streamlining operations and ensuring secure data management.
 - Focused on developing and implementing a student management system, enhancing the tracking and support of student activities and data..
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Project Experience

IoT-Based Water Purification System Powered by Solar Panels

- Designed and developed a prototype for a sustainable water purification system using IoT sensors to enable real-time monitoring of water quality and consumption.
- Integrated the system with cloud infrastructure, allowing water purification rates and consumption data to be traced and monitored from anywhere.
- Powered the system with solar panels, significantly reducing energy consumption and promoting eco-friendly operation.
- Created a user-friendly dashboard to display key metrics (water quality, purification levels) for remote monitoring and control, ensuring ease of accessibility.

AI Chatbot Services for Local Market Web Platforms

- Provided web design services and integrated AI-powered chatbot assistance for existing websites of small businesses, enhancing customer interaction and support.
- Developed and deployed chatbots using advanced OpenAI and Hugging Face models, enabling users to ask questions and receive instant, accurate clarifications.
- Leveraged Natural Language Processing (NLP) techniques to automate responses to frequently asked questions, reducing operational costs and improving user satisfaction.
- Focused on delivering cost-effective, scalable solutions tailored to the unique needs of local market businesses.

Email Phishing Detection and Web Security Enhancement

- Developed a security-focused solution using Python and Streamlit to detect and mitigate phishing attacks in emails, enhancing overall cybersecurity.
- Implemented spam detection mechanisms to analyze email content and identify potential phishing attempts with high accuracy.
- Designed features to prevent SQL injection attacks on web pages, ensuring robust protection against common web vulnerabilities.
- Focused on creating an easy-to-use interface for monitoring and managing security threats, improving accessibility for end users.
- The project emphasized enhancing user trust and safeguarding sensitive data by combining innovative detection techniques with practical deployment.

Certifications

- **Google Cloud Certified - Associate Cloud Engineer**
Expertise in cloud infrastructure, networking, and security best practices.
- **Oracle Cloud Infrastructure 2024 - Generative AI Certified Professional**
Demonstrated proficiency in leveraging Oracle's cloud tools and generative AI applications.
- **Postman API Fundamentals - Student Expert**
Skilled in using Postman for API testing and understanding API fundamentals.
- **GitHub Foundation Certified**
Recognized for foundational knowledge in GitHub, version control, and collaborative coding practices.

Additional Skills

- **Problem Solving:** Skilled in debugging complex distributed systems and developing robust solutions.
- **Collaboration:** Strong team player with inclusive and cross-functional communication skills.
- **Coding Practices:** Passionate about writing clean, industry-standard code and continuous learning.

Extracurricular Activities

- **Tech Talks Organizer:** Hosted and led sessions on cloud computing and observability tools, fostering a culture of knowledge-sharing and continuous learning.
- **GitHub Contributor:** Actively contributed to open-source repositories with a focus on cloud security, backend development, and API management, demonstrating a commitment to improving technology and community resources.
- **Fitness Advocate:** Dedicated gym enthusiast and influencer, emphasizing the importance of discipline and time management in maintaining a balanced lifestyle. Promotes stress relief, consistency, and well-being through fitness.

References

Available upon request.