Sai Kiran Reddy Appidi

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Linkedin | GitHub | Portfolio

EDUCATION

Vignan's Foundation for Science, Technology & Research	Vadlamudi,Tenali ,AP
Bachelor of Technology in Computer Science and Engineering	July 2021 - July 2025
CGPA: 8.5	

SKILLS

Programming Languages:	Python, Java, MySQL, JavaScript, C, C++, MongoDB
Frameworks & Libraries:	Django, React JS, Spring Boot, PyTorch, Android
Tools & Technologies:	Cloud Computing, Networking, Git, Linux, Rest API, Docker, Blockchain

EXPERIENCE

Vignan University | Technology Development Intern　　　　　　　　　August, 2024 - Present

Guntur, Andhra Pradesh, India

- **Technology Development Intern**, focusing on the development of a **Student Android app** that provides daily updates on work schedules, enhancing organization. Successfully deployed the app on the **Play Store** and continuously improving it based on user feedback. Additionally, contributing to **university websites** using **React** and **JavaScript**.

IIT Kharagpur | Research Intern　　　　　　　　　　　　　　July, 2023 - August, 2023

Kharagpur, West Bengal, India

- Contributed to research on wireless communication technologies including Wi-Fi, BLE, and LoRa, employing **game theory** to enhance latency. My role involved practical implementation, collaborative planning of **research initiatives**, utilization of lab resources in compliance with protocols, and **analysis** and **interpretation** of research findings, which led to **innovative ideas**.

PROJECTS / OPEN-SOURCE

Conversational AI Platform: Secure and Scalable | Project Lead　　　　　　　　2024

- **Engineered** a robust chatbot using **Django** and asynchronous programming, ensuring efficient and scalable user interactions.
- **Integrated Google Gemma (LLM)** for enhanced conversational capabilities and secured communication channels via **RESTful API**.
- **Implemented microservices architecture** to enhance system reliability and scalability.
- **Automated** deployment workflows with **GitHub Actions**, improving development efficiency and deployment reliability.

Dynamic Timetable Scheduler | Full Stack Developer　　　　　　　　　　　2024

- **Developed** a timetable scheduling application using **React JS**, featuring automatic recommendations and real-time clash detection.
- **Crafted** an interactive UI and implemented **real-time updates**, significantly enhancing user engagement and operational efficiency.
- **Efficiency and Management:** The scheduler implementation has significantly saved time and effort, allowing university management to centrally manage all infrastructure and staff requirements more efficiently.

Educational Collaboration Platform | Individual Contributor　　　　　　　2022 - 2023

- **Developed** an educational website with Python's Django and MySQL, centralizing document sharing and user account management.
- **Integrated Google Drive API** to facilitate secure and efficient document management and sharing among users.
- **Implemented** comprehensive security measures to protect sensitive user data and ensure compliance with data protection regulations.

ACHIEVEMENTS

- **Advanced AI and ML Training:** Participated in Amazon ML Summer School 2024, gaining advanced insights into AI, ML, and LLMs through direct interactions with Amazon's leading scientists.
- **TCS Code Vita Global Ranking:** Achieved a global rank of 1476 in TCS Code Vita Season 11 Round 2, demonstrating strong competitive programming skills.
- **CodeChef Proficiency:** Maintained a 1518 rating on CodeChef, showcasing expertise in algorithmic challenges.
- **Competitive Coding Rankings:** Ranked in the top 22.9% on LeetCode with high rankings on HackerRank, including 4-star ratings in Problem Solving, C, and Python.
- **Academic Excellence Award:** Awarded by the Dept. of CSE, Vignan University for outstanding academic achievements.

RESEARCH & PUBLICATIONS

- **Optimizing Music Genre Classification: A Hybrid Approach with ACO and Ensemble Learning** - Published at the ACOIT - IEEE Conference. This paper presents a novel method combining Ant Colony Optimization (ACO) and Ensemble Learning techniques to enhance the accuracy of music genre classification.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Demonstrated proficiency in AWS cloud infrastructure, securing data, and cloud-based solutions.
- **Cisco Networking Essentials:** Certified by Cisco Networking Academy, showcasing foundational skills in networking technologies and infrastructure.
- **BEC B2 Level:** Certified by Cambridge University, validating strong English communication skills suitable for business environments.
- **IoT Course - Silver Medal:** Awarded by NPTEL, recognizing advanced knowledge and practical skills in Internet of Things applications and technologies.
- **E-Business Course - Silver Medal:** Awarded by NPTEL, signifying expertise in digital business processes and e-commerce solutions.

LEADERSHIP AND SERVICE

- **Finance Team Lead:** Served as lead at Vignan's Innovation & Entrepreneurship Development Center, supporting innovative ventures by managing finances and logistics.
- **Event Management Leadership:** Led Vignan University's Mahotsav 2k24 as Event Management Lead, showcasing diverse talents and ensuring event success.
- **Technical Writing Expertise:** Authored insightful articles on cutting-edge technology and best practices in software development, including in-depth analyses of events like Microsoft's global outage in July 2024 and comprehensive guides such as "Branching Out with Git."