

VALLU SAI GOPAL



B-Tech, 2nd Year, CSE AI-ML - SRM University | Ph : +91 6300891446
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ABOUT

As a 2nd-year B.Tech student majoring in Computer Science and specializing in AI/ML, I have developed a robust understanding of various Computer Technologies and AI/ML methodologies. Additionally, I have a solid foundation in web development, encompassing HTML, CSS, JavaScript, and frameworks such as Svelte and Supabase . Driven by a passion for innovation, I am actively seeking opportunities to apply my skills in a practical environment. I am confident in my ability to make significant contributions and accelerate my professional growth through hands-on experience in both AI/ML and web development.

TECHINCAL SKILLS

- Languages :** Pyhton, C++, C, Java, JavaScript
- Web-Development:** Front end - Html, CSS, Tailwind, JavaScript, Svelte, ReactJS.
Backend - Supabase, PostgreSQL, MySQL Workbench, MongoDB (Learning).
- Ai-ML:** Supervised & Unsupervised Learning, Deep Learning, Neural-Networks, CNN, Natural Language Processing, EDA Analysis
- Other Skills :** IOT, Jetson Nano, ESP32.

PROJECTS

- Simple Opinion Polling using Svetle:**
- I developed this application using Svelte to showcase my proficiency in the framework.
 - Users are empowered to express their opinions on various questions.
 - Real-time data updates ensure prompt reflection of opinion disparities through visual representations.
 - Additionally, users have the option to introduce supplementary polling questions.
- Authentication using SupaBase:**
- Here's a basic demonstration of my comprehension of Supabase:
 - Prompt users to either log in or sign up.
 - Upon signing up, users will receive a confirmation email.
 - Data can be accessed and viewed within the Supabase SQL interface.
- Active Crash Detection and Alerting System:**
- Utilizes a CNN model trained on CCTV footage to detect accidents.
 - Trained using supervised learning techniques on labeled images.
 - Relevant frames of accidents are uploaded to the cloud for verification and alerting emergency services.
 - Impact: Enhances accident response efficiency, potentially saving lives through quicker interventions.
- Tune & Tale Generative AI:**
- Integrates Generative AI tools like Transformers and SentencePiece.
 - Crafts immersive narratives with visuals and music.
 - Leverages LLMs for innovative storytelling capabilities.
 - Impact: Enhances storytelling with immersive narratives, potentially revolutionizing storytelling methods.

ACHIVEMENTS

- Spearheaded the **development of a crash detection and alarming system**, recognized for enhancing accident response efficiency and potentially saving lives.
- Received a **Special Mention in the SRM Project Expo 2024 by the SRM DEI Chief Innovation Officer** for developing the 'Digital Twin of Power Generation Systems,' utilizing real data to simulate behavior and ensure reliability.
- Shortlisted from SRM among 300 teams** to participate in the finals of the Smart India Hackathon (SIH), showcasing innovation and proactive management in power generation.

ACADEMIC ACTIVITIES

- Cloud computing member** - QDC SRMIST
- Machine learning & Deep learning Team Member**
CINTEL's Next-Gen AI
- AI / ML member** - Team Envision
- Creative Coordinator** - Newton School Coding Club
- Technical Team Member** - SRM IEC

CERTIFICATIONS

- Generative AI and Large Language Models**
Department of Computational Intelligence - SRM
- Supervised & Unsupervised MachineLearning**
DeepLearning.ai - Coursera
- Appreciation for Conduct**
Newton School Coding Club SRMIST
- Artificial Intelligence Virtual Experience**
Forage

EDUCATION

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|--|---|---|
| B-tech CSE AI-ML SRM University
CGPA - 9.15
till 3rd Sem | 12th Grade - 2022
SriChaitanya - Kakinada
Percentage - 91.1% | 10th Grade - 2020
Ashram Public School-Kakinada
Percentage - 86.6% |
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