Hema Sandeep Garikapati

TECH ENTHUSIAST

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Seeking a role where I can enhance my existing programming, communication, and teamwork abilities. I aspire to take on a challenging position within a respected organization, leveraging my technical skills to contribute to the organization's growth while staying abreast of new developments in the IT sector. Eager to refine my problem-solving skills through exposure to new challenges.

EDUCATION

Integrated MTech (CSE)
VELLORE INSTITUTE OF TECHNOLOGY

08/2021 - Present   *CGPA-9.22*

Class 12 (MPC)
NARAYANA JUNIOR COLLEGE

07/2019 - 03/2021   *Percentage-97.6%*

Class 10
NARAYANA E-Techno School

07/2018 - 03/2019   *CGPA-9.8/10.0*

ACADEMIC PROJECTS

FlyAlertMe ⬀
- Developed a flight price alert system using the **Amadeus API** that tracks airfare prices based on user-specified criteria (price, airports, dates).
- Automated notifications via **email (SMTP)** and **SMS (Twilio API)** when prices drop below the desired threshold.
- The system provides details on direct and indirect flights with real-time price updates.

Summarze ⬀
- **Developed a GPT-4-powered article summarization tool** using **ViteJS,** enabling users to input article links and receive concise summaries.
- **Implemented state management with Redux** for efficient handling of user requests and summary results.
- **Styled the user interface using Tailwind CSS** for a modern and responsive design, while integrating Rapid API for article data retrieval.

Blogit ⬀
- Developed "Blogit," a Flask-based blog website with secure login, registration, and admin-only blog management. And **Postgress SQL** for CRUD operations.
- Implemented **SHA-256** with password salting for secure password storage and an **SMTP**-based contact form for user queries.

WORK EXPERIENCE

Technical Intern
RCI-DRDO ⬀

06/2024 - 07/2024   *Hyderabad, India*
Achievements/Tasks
- Developed a novel approach to enhance Ring Laser Gyroscope (RLG) performance by integrating Statistical Signal Processing (SSP) and **Reinforcement Learning** (RL).

SKILLS

`PYTHON` `JAVA` `OperatingSystems` `ReactJS` `Flask` `Tailwind Css` `HTML` `CSS` `JavaScript` `Data Analytics` `Machine Learning`

ACHIEVEMENTS

Merit award for Top Academic Performance (08/2021 - 08/2022) ⬀

Merit award for Top Academic Performance (08/2022 - 08/2023) ⬀

Flipkart Grid 6.0 ⬀
Qualified in 1st round

CLUBS AND CHAPTERS

Center For Social Entrepreneurship and Development (10/2022 - 09/2023)

CERTIFICATES

Microsoft Azure Ai Fundamentals ⬀

Hacker Rank Certification in Python (Basic) ⬀

Python For Machine Learning ⬀

Hewlett Packard Enterprise virtual Internship ⬀

LANGUAGES

English
Full Professional Proficiency

Hindi
Professional Working Proficiency

Telugu
Native or Bilingual Proficiency

INTERESTS

Exploring Tech about Smartphones

Watching Tech Facts   Surfing Linkedin