HEMANTH YEMBULURI

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in hemanth-yembuluri-0719192a4 ⌂ Hemanth998999 ⊕ Portfolio

Summary

Enthusiastic AI & ML engineering student with hands-on experience in full-stack web development and AI systems. Completed internships in Generative AI and Java Full Stack. Known for academic excellence, problem-solving skills, and organizing technical events, with a passion for building scalable, real-world solutions.

Education

Sagi Rama Krishnam Raju Engineering College   *Aug 2022 - Jul 2026*
BE in Artificial Intelligence and Machine Learning

- **GPA**: 8.71/10
- **Coursework:** Artificial Intelligence, Machine Learning, Deep Learning, NLP, Computer Vision

Aditya Junior College, Palakollu   *Jul 2020 - Apr 2022*
Intermediate – MPC (Maths, Physics, Chemistry)

- **Percentage:** 89.1%
- **Board:** Board of Intermediate Education, Andhra Pradesh (BIEAP)

Aditya School, Palakollu   *Jun 2019 - Mar 2020*
Secondary School Certificate (SSC)

- **Scored:** 600/600 marks
- **Board:** Board of Secondary Education, Andhra Pradesh (BSEAP)

Internships

Generative AI/ChatGPT Intern   *May 2024 - Jul 2024*
IIDT BlackBucks, Bhimavaram, AP

- Designed and implemented a personalized movie recommendation system using collaborative filtering techniques.
- Processed and analyzed large datasets to improve recommendation accuracy and user experience.
- Gained practical experience in fine-tuning prompt responses, understanding limitations of LLMs, and ensuring ethical usage in AI applications.

Java Full Stack Intern   *May 2025 - Jul 2025*
IIDT BlackBucks, Bhimavaram, AP

- Strengthened Java fundamentals including OOP, data types, and control flow while working with JDK 21.
- Experienced the full-stack development lifecycle: front-end to back-end integration and deployment.
- Developed RESTful APIs using Spring Boot, focusing on HTTP methods, request mapping, and structured API documentation.

Technologies

Languages: C, Java, Python, SQL, JavaScript

Technologies: HTML, CSS, MongoDB, Firebase, GitHub / Git, REST APIs and Web Protocols, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, Scikit-learn

Certifications

- **Machine Learning A-Z: AI, Python & R + ChatGPT Prize (Udemy)** ⤢ – Covered machine learning algorithms, AI concepts, Python/R implementation, and practical projects.
- **100 Days of Code: The Complete Python Pro Bootcamp (Udemy)** ⤢ – Learned Python programming from basics to advanced, building multiple real-world projects.
- **HackerRank SQL Basic Certificate** ⤢ – Demonstrated proficiency in SQL queries, joins, aggregations, and data manipulation.

Projects

Community Connect Hub   *GitHub Repo* ⤢

- A MEAN stack-based platform designed for the sharing of events, discovery of services, and collaboration within local communities.
- Implemented dynamic event management features such as photo-first event layout, authentication, and an admin panel with role-based access control.
- Integrated Firebase for secure data storage and used GitHub Pages for deployment with optimized API performance.
- **Technologies Used:** HTML, CSS, JavaScript, Firebase, Git, GitHub Pages

Dining Portal   *GitHub Repo* ⤢

- Developed a responsive web application that allows users to explore, book, and review restaurants through an interactive interface.
- Designed intuitive navigation for restaurant listings, menu viewing, and table reservation using clean UI components.
- Implemented dynamic content rendering and improved load time through optimized JavaScript and modular structure.
- **Technologies Used:** HTML, CSS, JavaScript, Bootstrap, Git, GitHub Pages

German Traffic Sign Recognition

- Developed a deep learning model to classify German traffic signs using the GTSRB dataset containing over 50,000 labeled images.
- Improved model performance through data augmentation, normalization, and hyperparameter tuning of CNN layers.
- Evaluated model accuracy and generalization using confusion matrix, precision, recall, and F1-score metrics.
- **Technologies Used:** Python, TensorFlow, Keras, OpenCV, NumPy, Matplotlib

Achievements

- 1st Prize in 'Art Fusion' event by SRKR Event Organizing Cell (Nov 2024).
- Semifinalist in the SRKR Orator Championship, showcasing strong public speaking and communication skills.
- Organized 24-hour hackathons and major college events with SRKR Coding Club and Event Organizing Cell.
- Volunteered for a company recruitment drive conducted at SRKR Engineering College (Dec 2024).