Richa Jaishwal

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Education

Amrita Vishwa Vidyapeetham, Chennai Campus
B.Tech in Computer Science Engineering (Sept 2023 – May 2027)
CGPA: 8.86/10

Technical Skills

- **Programming Languages:** Python, C, DSA in C++

- **Frameworks and Libraries:** Pandas, NumPy, Matplotlib

- **Databases:** MySQL, MongoDB

- **Tools:** Git, GitHub, Visual Studio Code, Jupyter Notebook, Google Colab

- **Machine Learning:** Proficient in Python-based ML libraries for supervised and unsupervised learning

- **Web Development:** Skilled in front-end (HTML, CSS, Tailwind CSS, JavaScript) and back-end (Node.js, MySQL) development

Projects

- **Event Management System (CLI-based):** Led a team of four to design a C and SQL-based event management system, streamlining event coordination and eliminating 90% of duplicate bookings for common resources.

- **Optimization Tool Developer:** Developed a Python-based tool to address complex optimization problems, improving solution accuracy and overall system performance.

- **Flight Reservation System:** Built a Tkinter-based application to automate flight bookings, reducing reservation time by 40% and enhancing user satisfaction by 25%.

- **AI-Powered Text Summarizer:** Created a text summarization tool using Hugging Face API, Node.js, and Express.js, boosting user efficiency by 50% and cutting processing time by 20 minutes.

- **AI Market Maven:** Developed a time-series forecasting model in Python, achieving 95% accuracy in predicting supermarket sales, optimizing inventory management, and reducing overstock by 15%.

Experience

- Completed a 2-month internship in Artificial Intelligence at Infosys Springboard, expanding knowledge in AI applications and development.

- Sharpened proficiency in data structures and algorithms through consistent participation in 7+ coding competitions on platforms like Unstop, receiving positive feedback from senior engineers.

- Achieved 5-star ratings in Python, Java, and C++ on HackerRank, demonstrating advanced proficiency in these languages.

- Earned Postman Fundamentals Student Expert certification, validating expertise in API development and testing.

- Published the research paper *"Automatic Detection of Leaf Diseases in Hibiscus Plants Using Live Image Dataset with User Interface"* at the IEEE CYBERCOM conference, achieving 97.21% accuracy with a CNN model.

Certifications

- IT Backbone: Networking Servers and Cloud Solutions – 2024

- Short Insights in Software Development (LinkedIn) – 2024

- Public Speaking Skills (Udemy) – 2024

- Front-End Development Certification (Datafair) – 2024

- Artificial Intelligence (Infosys) – 2024

- Python Basics Certification (HackerRank) – 2024