

## RITHIKA SHANKAR

rithikas4002@gmail.com | (+91) 8310949532

 [github.com/Rithika-Shankar](https://github.com/Rithika-Shankar) |  [linkedin.com/in/rithika-shankar04](https://linkedin.com/in/rithika-shankar04)

### TECHNICAL SKILLS

- Data Analysis with Python (Pandas, NumPy)
- Java
- HTML, CSS, JavaScript
- MySQL

### EDUCATION

- **Bachelor of Engineering (B.E), Computer Science & Engineering** 2022 - 2026  
Dayananda Sagar Academy of Technology and Management CGPA: 9.45/10
- **Senior Secondary (XII), State** 2022  
RV PU College Percentage: 97.50%
- **Secondary (X), CBSE** 2020  
Jyothi Kendriya Vidyalaya Percentage: 88.40%

### EXPERIENCE

- **Web Development (Front-end) | Internship** Sep 2024 - Present  
1stop, Virtual  
I recently started a Front-End Web Development Internship, gaining experience in HTML, CSS, JavaScript, jQuery, and Bootstrap. I'm excited to work on capstone projects, develop responsive web pages, and apply my skills in real-world scenarios.
- **Java Programming | Internship** Jun 2024 - Jul 2024  
CodSoft, Virtual  
Completed three major tasks, demonstrating strong coding skills and dedication. Enhanced problem-solving abilities and deepened proficiency in Java development.
- **Data Science and Machine Learning | Internship** Jun 2024  
YBI Foundation, Virtual  
Gained hands-on experience in data analysis and preprocessing. Developed foundational skills in machine learning models. Worked on fundamental projects, learned various libraries and frameworks, and created data visualizations and reports.

### PROJECTS

- **Diabetes Prediction using Machine Learning | Internship Project** Jun 2024 – Jul 2024  
Worked on predicting diabetes using a dataset and machine learning models like **Logistic Regression** and **Random Forest** through **scikit-learn**. Trained, evaluated, and tuned models to optimize accuracy.  
**Impact:** Improved the prediction accuracy of diabetes risk through data preprocessing and hyperparameter tuning, gaining hands-on experience in medical data analysis.
- **Malicious URL Detection | Hackathon Project** Jul 2024  
Developed a machine learning model and frontend web app for malicious URL detection. Contributed to data cleaning, feature engineering, model optimization, and interface design with real-time analysis and user feedback. Integrated with a REST API, collaborating on backend and data storage, enhancing skills in machine learning and web development.  
**Impact:** Improved phishing detection accuracy, providing real-time analysis and user feedback.

- **News Headlines Scraping | Individual Project** Oct 2024 – Present  
Developed a web scraper using **BeautifulSoup** to collect news headlines from a news website. Extracted and stored data in a structured CSV file for further analysis.  
**Impact:** Automated the extraction of real-time news headlines, streamlining the process of gathering data for further analysis or sentiment evaluation.
  - **Weather Data Scraping | Individual Project** Oct 2024 – Present  
Built a weather data scraper using **BeautifulSoup** to collect a 10-day forecast from a weather website. Extracted key information such as temperature, humidity, and wind speed, and stored it in a CSV file.  
**Impact:** Simplified the process of retrieving weather data, making it easier to analyse and use for future forecasting or pattern recognition projects.
  - **News Headlines NLP and NER | Individual Project** Sep 2024 – Present  
Used **spaCy** to apply **Named Entity Recognition (NER)** on scraped news headlines, identifying key entities like people, organizations, and locations. Processed text data to extract meaningful information from unstructured text.  
**Impact:** Automated the process of extracting structured data from news headlines, providing valuable insights through entity recognition.
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## CERTIFICATIONS

- **Python for Machine Learning**  
Great Learning
  - **AI For Everyone**  
Coursera
  - **Introduction to Artificial Intelligence**  
Infosys Springboard
  - **Basics of Data Structures and Algorithms**  
Simplilearn
  - **Java (Basic)**  
Hackerrank
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## SOFT SKILLS

- **Communication**
  - **Teamwork**
  - **Active listening**
  - **Adaptability**
  - **Time management**
  - **Leadership**
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## ACHIEVEMENTS

- **Top 3 in Branch**  
Consistently ranked in the top 3 in Computer Science and Engineering (CSE) at Dayananda Sagar Academy of Technology and Management during the first four semesters, demonstrating ongoing academic excellence.
  - **Hackathon**  
Participated in a national-level hackathon, where I contributed to building real-time solutions as part of a collaborative team effort.
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