

# Lakkireddy Varshitha

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## Summary

Motivated and detail-oriented B.Tech student in the 3rd year at St. Martin's Engineering College, with a solid foundation in software development, data structures, and algorithms. Passionate about solving complex problems and creating innovative technological solutions. Actively enhancing technical expertise in **artificial intelligence, machine learning, and core computer science concepts** to contribute effectively to challenging projects.

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## Education

ST. MARTIN'S ENGINEERING COLLEGE

Hyderabad, India

Bachelor of Technology-CSE(AI&ML); CGPA:8.66

NARAYANA JUNIOR COLLEGE

Hyderabad, India

Junior high school education-GPA:95.5

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## Technical Skills

Languages: Python, C, Java, sql, Html, CSS, JavaScript.

Frameworks: Pandas, NumPy, Matplotlib, Scikit-Learn.

Tools: Excel, PowerPoint, MySQL

Platforms: Jupyter Notebook, Visual Studio Code, IntelliJ Idea

Soft Skills: Excellent Communication, Analytical Thinking, Logical Reasoning

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## Work Experience

### JAVA Programming Intern | [Link](#)

Jun 2024-Sep 2024

- Designed and enhanced a Word Counter Application using Java Swing, implementing an intuitive GUI for real-time word analysis.
- Built a Hotel Reservation System leveraging JDBC for seamless database integration and efficient query handling.
- Developed a Travel Booking System, incorporating user-friendly features to streamline booking processes.
- Collaborated with mentors and industry professionals, enhancing practical skills in Java programming and problem-solving.
- Awarded a Letter of Recommendation for outstanding performance and contributions.

### Salesforce Developer Intern | [Link](#)

Nov 2023- Jan 2024

Gained hands-on experience in designing and expanding CRM solutions using Salesforce tools such as Apex, Visualforce, and Lightning.

- Built and customized applications, automated workflows, and integrated Salesforce with external systems using REST/SOAP APIs.
- Debugged and tested code to ensure seamless functionality and optimized system performance.
- Created dashboards and reports to support business analytics and improve data visualization.
- Documented technical workflows and user guides for implemented solutions while adhering to Salesforce best practices.
- Collaborated with cross-functional teams to deliver efficient and scalable CRM solutions.

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## Projects

### Blood Bank Management System | [Link](#)

- Improved an interactive and responsive website for managing blood donations and requests.
- Implemented functionalities allowing donors and receivers to register, log in, and check the availability of blood groups.
- Created an admin panel to oversee and manage user activity and ensure seamless system operations.
- Utilized HTML, CSS, and JavaScript to build an intuitive user interface and provide an enhanced user experience.
- Focused on ensuring scalability, usability, and improved accessibility for all users.

## Predictive Analysis of COVID-19 Symptoms via Patient Tweets

- Expanded a predictive model to analyze COVID-19 symptoms by extracting and processing patient tweets using Natural Language Processing (NLP) techniques.
  - Utilized Python libraries like Pandas, NumPy, and Scikit-learn for data preprocessing, feature engineering, and building machine learning models.
  - Implemented sentiment analysis and topic modeling to classify and identify patterns in patient-reported symptoms.
  - Planned a pipeline to clean, tokenize, and vectorize tweet datasets for predictive analysis.
  - Leveraged machine learning algorithms to accurately predict symptom trends and draw actionable insights.
  - Focused on improving the accuracy and reliability of predictions to assist in early symptom detection and public health decision-making.
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## Certificates

### **Python for Machine Learning(Great Learning)|[Link](#)**

- Earned proficiency in using NumPy and Pandas for data manipulation and analysis in machine learning applications.
- Learned to effectively work with Arrays, Series, and DataFrames, and analyze datasets to extract insights.

### **Introduction to Generative AI Learning Path(Google)**

- Learned the fundamentals of Generative AI, including its applications and underlying concepts.
- Obtained insights into NLP, deep learning, and the role of AI in creating innovative solutions.

### **Postman API Fundamentals Student Expert Certificate(Postman)|[Link](#)**

- Acquired expertise in creating, testing, and managing APIs using Postman.
- Developed skills in designing API requests, analyzing responses, and implementing workflows for automation.