Chandra Sekhar Yamparala

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Summary

Aspiring Software Engineer with strong problem-solving skills and expertise in Java, Python, and software development. Passionate about data structures, algorithms, cloud computing, and AI. Adept at working in collaborative environments, writing clean and efficient code, and solving complex business challenges.

Education

Kalasalingam Academy of Research and Education, B.Tech in Computer Science (CGPA: 8.55)
May 2026

Narayana Junior College, MPC (Marks: 946/1000)
2020-2022

Technical   Skills

- **Programming Languages:** Java, Python, SQL, JavaScript
- **Frameworks and Technologies:** Spring Boot, Django, Flask, REST APIs
- **Cloud and DevOps:** AWS
- **Databases:** MySQL, PostgreSQL
- **Development Tools:** Git, GitHub, VS Code, IntelliJ IDEA, Jupyter Notebook
- **Software Development Concepts:** OOPS, Data Structures and Algorithms (DSA), Software Engineering, Agile Methodologies
- **Other Skills:** Problem-solving, Analytical Thinking, Team Collaboration

Internship   Experience

Agnirva Space Internship Program   *Sept 2024 - Nov 2024*

- Completed an 8-week internship covering software development for space technologies.
- Worked on 440 structured steps, gaining expertise in cloud computing and AI applications.
- Applied problem-solving methodologies to real-world space-related challenges.

Projects

StudyTube   *(Flask, Selenium, BeautifulSoup, JavaScript, HTML, CSS)*

- Developed a web application that creates a distraction-free learning environment.
- Addressed YouTube's recommendation algorithm by filtering relevant educational videos.
- Integrated web scraping techniques to enhance user experience.

AI Chatbot   *(HTML, CSS, JavaScript, OpenAI API)*

- Built a chatbot leveraging OpenAI API for real-time responses.
- Implemented dynamic "Thinking..." messages for improved user experience.
- Designed a feature-rich UI with theme toggling and chat-saving using local storage.

Certifications   and   Achievements

Certifications

- Design And Analysis Of Algorithm - CodeChef (Certificate)
- Database Management System Certificate - CodeChef
- Career Essentials in Software Development by Microsoft and LinkedIn (Certificate)

Achievements

- Solved 300+ LeetCode problems, focusing on DSA, algorithms, and system design.
- Participated in **IEEE INNOVARC'25 24-hour Hackathon**.
- Experience with competitive coding and problem-solving in GeeksforGeeks.