

# Sai Surya Charan Pentapati

LinkedIn: [www.linkedin.com/in/saisuryacharanpentapati](https://www.linkedin.com/in/saisuryacharanpentapati)

GitHub: <https://github.com/SAISURYACHARAN89>

Email: [psaisuryacharan@gmail.com](mailto:psaisuryacharan@gmail.com)

Mobile: +91-8328166638

## SKILLS

---

- **Programming Languages:** C/C++, Java, JavaScript, R
- **Frameworks:** HTML and CSS, Bootstrap, React, Flutter
- **Tools/Platforms:** MySQL, Docker, MongoDB, Postman, Tableau
- **Version Control:** Git, GitHub, DevOps
- **Soft skills:** Problem-Solving Skills, Project Management, Adaptability, Analytical Skills, Communication, Good Motivator

## WORK EXPERIENCE

---

### • Frontend Web developer Trainee at Skill Vertex:

September 23

Collaborated with the development team to design and implement user-friendly web applications. Assisted in the creation of responsive and visually appealing UI components using HTML, CSS, and JavaScript. Participated in about 12 code reviews and contributed to the enhancement of existing features. Gained experience with version control systems like Git for project management.

**Link:** <https://drive.google.com/drive/folders/1p5Os4ISxoPzvOcOXawPWsONBLjU-E4u>

## PROJECTS

---

### • Sudoku Solver Simulator:

July 24

Built a Java Swing application implementing a backtracking algorithm for Sudoku solving. Made an interactive GUI of 3 kinds of boards to visually illustrate the solving process in real-time. Followed step-by-step visualization, allowing users to observe algorithmic decision-making. Optimized the application for efficiency and seamless user experience.

**GitHub:** <https://github.com/SAISURYACHARAN89/SudokuVisulaiser>

### • Chat-bot App with Gemini API:

August 24

Engineered using the Flutter framework for a seamless cross-platform experience. Integrated with the Gemini API that can handle up to 5000 concurrent users to enhance AI-driven capabilities. Leveraged advanced Dart state management techniques for optimal efficiency. Optimized for performance, scalability, and responsiveness.

**GitHub:** <https://github.com/SAISURYACHARAN89/ChatApp-using-Gemini-API>

### • Customer Product Recommendation System:

September 24

Developed utilizing the K-Nearest Neighbors (KNN) algorithm to provide personalized product suggestions based on user behavior and preferences. Implemented data preprocessing techniques, including normalization and handling missing values, to enhance model accuracy and reliability. Designed a RESTful API using Flask in Python3, enabling seamless integration of recommendation features into web applications.

**GitHub:** <https://github.com/SAISURYACHARAN89/CPR-API>

## CERTIFICATES

---

- Cloud Computing–NPTEL November 24
- Competitive Programming Hitbullseye September 24
- IMUN Delegate of Canada April 24
- IBM DevOps and Software Engineering August 24

## ACHIEVEMENTS

---

- Solved 350+ Problems on Leetcode

## EDUCATION

---

- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 8.3* Since August 2022
- **Adithya Junior College** AP, India  
*Intermediate; Percentage: 82%* April 2020 - March 2022
- **Westberry High School** AP, India  
*High School; Percentage: 91%* April 2018 - March 2020