

# JESWANTH SAI KANCHARANA

## SOFTWARE ENGINEER

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### ABOUT ME

Passionate Computer Science student with experience in AI/ML, Python and full-stack development. Skilled in building impactful solutions using modern technologies and data-driven approaches. Eager to contribute to innovative projects through internships and collaborations, while continuously learning and growing in the field of technology.

### SKILLS

- Leadership & Organization
- Communication & Collaboration
- Analytical Skills
- Programming
- Web Development
- Machine Learning
- Data Visualization
- Backend & APIs

### SOFTWARE I USE

- Vs Code
- Git & GitHub
- Postman
- Docker
- Jupyter Notebook
- Notion

### PROJECTS

Youtube Video Downloader, Weather App, CVision, Movie Search, Automated File Backup, Route Optimization, Space Runner Game

### ACHIEVEMENTS

1x Hackathon & Ideathon Winner, LOR from IIC council, 3star in hackerrank,

### EDUCATION

#### Andhra University College Of Engineering

B.Tech in CSE&SE (2023-27)

#### FIITJEE Junior College

Intermediate (2021-2023)

#### Timpany Senior Secondary School

School (2010-2021)

### EXPERIENCE

#### PROJECT INTERN

(June 2025 - July 2025)

##### *Bharat Dynamics Limited, India*

- Built CryptComm, a secure real-time communication platform using Next.js, TypeScript, WebSockets, and RSA-OAEP + AES-256-GCM encryption for end-to-end encrypted messaging.
- Implemented private chat rooms, identity verification, rate limiting, and secure session management to ensure confidentiality and protection against unauthorized access.
- Designed an intuitive UI with React + Tailwind + Shadcn, and deployed scalable backend services using Node.js and Docker for fast, reliable tactical communication.

#### SOFTWARE DEVELOPER ENGINEER INTERN (October 2025 - Present)

##### *EduEmblem, India*

- Developed the company website from scratch using no-code tools, plugins, and custom configurations.
- Built automation scripts and workflows to streamline website operations and updates.
- Integrated third-party services and optimized site functionality for performance and usability.
- Collaborated with teams to collect requirements and deliver a responsive, user-focused website.

#### PROJECT INTERN

(2025)

##### *AICTE, India*

- Developed end-to-end ML models for Water Quality Prediction and Employee Salary Prediction, including data preprocessing, feature engineering, and model evaluation using Python (Pandas, NumPy, Scikit-learn).
- Implemented classification and regression algorithms (Random Forest, Logistic Regression, Linear Regression, Decision Tree, XGBoost) to achieve high-accuracy predictions for real-world datasets.
- Optimized model performance through hyperparameter tuning, cross-validation, and metric-based evaluation (accuracy, MAE, RMSE, precision-recall).
- Created a reusable ML pipeline covering data cleaning, EDA, model training, and visualization using Matplotlib/Seaborn.
- Documented insights and outcomes as part of the AICTE internship, demonstrating strong analytical, problem-solving, and applied machine learning skills.