CHOPPARA SANJU

Java Full Stack Intern | AI/ML Intern

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Summary

I am a dedicated B.Tech student specializing in Computer Science & Engineering with hands-on experience in AI/ML and web development. During my internships, I developed skills in penetration testing and machine learning frameworks. I am passionate about technology's impact on society and eager to expand my expertise in programming and data science

Experience

The Innovation Lab
Tenali, Andhra Pradesh
10/2024 - 12/2024

Java Full Stack Intern

Internship focused on security in technology

- Conducted 15+ end-to-end penetration tests on simulated networks, identifying and remediating 40+ high-risk vulnerabilities—improving overall security posture by 35%
- Learned cryptography, network security, and ethical hacking fundamentals

Eduskill
Tenali, Andhra Pradesh
07/2024 - 09/2024

AI/ML Intern

Internship focused on machine learning and data analysis

- Developed and fine-tuned logistic regression and random forest classifiers on a 50,000-record dataset, achieving 92% accuracy and reducing false positives by 18%
- Implemented data preprocessing, feature engineering, and evaluation metrics in Google Colab

Study With Strangers (Self-initiated Online Educational Platform)
Tenali
2025

Founder & Instructor (April 2025 – Present)

Study With Strangers is an online peer-learning platform I created to teach web development and coding fundamentals to students for free, focusing on community-driven growth and consistent self-improvement.

- **Guiding 140+ students** in HTML, CSS, JavaScript, and basic web development concepts.
- Built a self-sustaining **Instagram-based community** to support learners through daily posts, live sessions, and resource sharing.
- Maintaining a **WhatsApp group with 160+ active learners**, fostering peer discussions and consistent motivation.

Education

SR University
Warangal, Telangana
08/2023 - 05/2027

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Skills

Programming in C · HTML · CSS · Bootstrapping · SQL · MongoDB

Projects

Mutual Information-Based Feature Selection for Improving Solar Radiation Prediction Accuracy

Built a solar radiation prediction model using deep learning by applying mutual information-based feature selection to improve accuracy. Processed real-world weather data, identified top 5 influential features, and optimized model performance using those features.

- Boosted model accuracy by 18% using mutual information scores to select the top 5 most relevant features from the dataset.
- Used **TensorFlow, Scikit-learn, and Pandas** for preprocessing, feature selection, and modeling.
- Achieved better performance with reduced Mean Squared Error and higher R^2 **score**.

Projects

Finding Beer Quality using ML

Developed a machine learning model to predict beer quality based on chemical and physical properties. Used classification algorithms to analyze the relationship between features like alcohol content, pH, bitterness, etc., and the resulting quality label.

- Collected and cleaned beer dataset by handling string values and normalizing features.
- Implemented Support Vector Machine (SVM) for classification and evaluated model performance using a confusion matrix.
- **Identified key features influencing beer quality, such as alcohol content, pH level, and bitterness.**
- Helped demonstrate how ML can be used in food & beverage industry for **quality control and product grading**.

Certification

Software Engineering – Saylor Academy | Duration: 36 hours

CSS Essentials – CodeKaro (May 2025, 5-day course)

SS Basics – HackerRank | Duration: 2 hours

Java (Basics) – HackerRank | Duration: 48 hours

Introduction to Artificial Intelligence – Infosys Springboard | Duration: 6 hours 15 minutes