

# ABBAGOUNI JAYA CHANDRA GOUD

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## SUMMARY

Aspiring Software Engineer with a strong foundation in Python, Machine Learning, and Data Analysis. Passionate about problem-solving, data-driven decision-making, and software development. Seeking to apply analytical and technical skills in a dynamic work environment

## EXPERIENCE

LYROS TECHNOLOGIES PVT. LTD.

FEB 2025 - PRESENT

SOFTWARE ENGINEER

Hyderabad, India

- Developed a **house price prediction model** using linear regression, achieving **85% accuracy**.
- Built an **iris flower classification model** using KNN, achieving **90% accuracy**.
- Conducted data pre-processing and feature engineering on large datasets.
- Developed a **student grading system** using **python, tkinter** and **machine learning**.

## PROJECTS

### Student Grading and Management System

- Developed a comprehensive student grading and management system using **Python**.
- Implemented user authentication for admins and teachers, allowing functionalities such as student enrollment, grade assignment, course management, and report generation.
- Integrated **data visualization** using **Matplotlib** and **Pandas** for statistical insights and performance analysis.

### Microscopic Image Processing for Malaria Screening

- Developed an AI-based malaria detection system using **Convolutional Neural Networks (CNNs)** to classify blood smear images.
- Implemented image preprocessing techniques to enhance accuracy.
- Automated parasite detection, reducing human dependency in medical diagnosis.
- Technologies Used: **Python, OpenCV, Deep Learning, Image Processing**.

## TECHNICAL SKILLS

- **Languages and Data Bases:** Python, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn.
- **Other Skills:** MS Excel, Data Analysis, Machine Learning.

## EDUCATION

Loyola Academy Degree& PG College.

2021-2024

B.sc Electronics Communication and Technology