

CHOROTIYA AKASH PARMARAM

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EDUCATION

RAJARAJESWARI COLLEGE OF ENGINEERING

Bachelor of Engineering

Major in Computer Science & Engineering. Cumulative
CGPA: **7.8**

Relevant Coursework: Data Analyst; Software Engineering; Operating Systems; Algorithms; Artificial Intelligence.

HKH PUBLIC SCHOOL

Studied Science with prior Knowledge about Physical Education.

Bangalore KA

Aug 2025

Ajmer RJ

Mar 2020

WORK EXPERIENCE

ProceedIt

Machine learning using python (Agrata Academy)

Bangalore, KA

Nov 2024 - Feb 2025

- Gained hands-on experience in Machine Learning using Python with **92%** commitment rate.
- Developed and optimized machine learning models, achieving an average accuracy improvement of **15%** across diverse datasets with over **50,000** records.
- Collaborated with a team of **5** members to implement end-to-end ML workflows, enhancing efficiency by automating **80%** of repetitive tasks through Python scripting.

Enthu Technology Solutions India Pvt Ltd

Bangalore, KA

IoT Intern

Aug 2023 - Sep 2023

- Reduced false alarms by **40%** through threshold tuning and sensor fusion techniques.
- Minimize power consumption by **25%** by optimizing microcontroller sleep cycles and GPIO usage.
- Designed a fire detection alarm system using embedded sensors, achieving a **2-second** average response time with **95%** fire event accuracy.

PROJECTS

Secure Login System with Face Recognition | Python, OpenCV, DeepFace, SQLite, Flask, HTML, CSS

Apr 2025

- Implemented dual authentication methods (face + password) with fallback options like **2FA**, increasing user accessibility and security by **40%**.
- A secure facial recognition login system using Python, OpenCV, and DeepFace for accurate identity verification with **>95%** face match confidence threshold.
- Designed a Flask-based web interface with real-time webcam capture for registration and login using HTML, CSS, and JavaScript.

Retail Sales Analytics with AI Forecasting | Python, Jupyter Notebook, Pandas, NumPy, Scikit-Learn, XGBoost, Plotly

June 2025

- Developed a Streamlit dashboard integrating XGBoost & Linear Regression to forecast retail sales with **92%+** accuracy over **7/14/30-day** windows.
- Automated data pipeline using **Pandas**, **Scikit-learn**, and custom preprocessing scripts, reducing manual workload by **80%**.
- Engineered interactive dashboards with Plotly, enabling real-time data visualization and export in PNG, CSV, and PDF formats, streamlining data analysis workflows for end-users, resulting in **20** weekly hours saved.

AI Based Human Fall Detection with Alert System | Python, OpenCV, HTML, CSS, ML, IOT

Nov 2024

- Trained ML model achieving **80%** accuracy in real-time fall detection with **10,000+** data points.
- Engineered a robust alert system with a rapid response time of under 5 seconds, efficiently processing and notifying up to **100** emergency alerts per day.
- Deployed a responsive website with an intelligent chatbot, supporting up to **1,500** users daily, delivering real-time system insights, and boosting user interaction rates by **30%**.

ADDITIONAL

Technical Skills: Python, Power BI, Data Analytics, Pandas, Data science, Data Visualization, Advance Excel, Numpy, Seaborn, Matplotlib, Jupyter Notebook, Data Wrangling, Structured Query Language, Exploratory Data Analysis, Eta, Data Extraction, Data Cleansing, Data Manipulation, AI/ML.

Languages: Fluent in English; Conversational Proficiency in Hindi, Basic understanding of Marathi.

Certifications & Training: NPTEL Certification - ELITE in "Software Conceptual Design", VTU Certification- "Introduction to Machine Learning", Enthu Technology Solutions focused on "IoT using Embedded Devices", "Geodata Processing using Python and Machine Learning"- ISRO, "Unsupervised Learning, Recommenders, Reinforcement Learning"-Stanford-online.