

CHOROTIYA AKASH PARMARAM

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PROFILE

Analytical and detail-oriented Data Analyst skilled in Python, SQL, Excel, and Power BI for data cleaning, visualization, and business insights. Experienced in transforming complex data into clear reports that drive informed decision-making. Passionate about solving business problems through data storytelling.

EDUCATION

RAJARAJESWARI COLLEGE OF ENGINEERING

Bachelor of Engineering in Computer Science & Engineering

CGPA: 7.8

Bangalore KA

July 2025

HKH PUBLIC SCHOOL

Studied Science with prior Knowledge about Physical Education.

Ajmer RJ

Mar 2020

WORK EXPERIENCE

Agratas Edutech Pvt Ltd - ML Intern

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 - IoT Intern

Bangalore, KA

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, Face recognition, 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 Face recognition for accurate identity verification with **>95%** face match confidence threshold.

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

May 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.

Healthcare Risk Analysis with AI | Python, Jupyter, Pandas, NumPy, lightgbm, matplotlib, SQLite, EDA

June 2025

- Built a real-time heart disease risk prediction tool using Streamlit and machine learning, achieving **~85%** model accuracy on clinical dataset features like cholesterol, blood pressure, and ECG results.
- Developed an interactive web application using Streamlit with user-friendly forms, real-time probability gauge, and dynamic visualizations to interpret predictions with **0.5s** average response time.
- Engineered a full-stack AI pipeline with **4+** data sources, **12** clinical features, and **10+** reusable scripts, covering data cleaning, SQL querying, ML model training, and PDF report generation.

SKILLS

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.

CERTIFICATES

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 | "SQL for Beginners" – Scaler | "Data Analytics" – Deloitte.

ADDITIONAL

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