

Vitamin A High-Risk Screening Dashboard

Name: Vipin Bansal

- Project Presentation
 - Tools Used: Python, Pandas, Streamlit, Matplotlib

Project Objective

- Identify individuals aged above 30 years
 - Risk Score greater than 3
 - Consent provided (q2 = Yes)
 - Analyze facility-wise high-risk distribution

Data Understanding

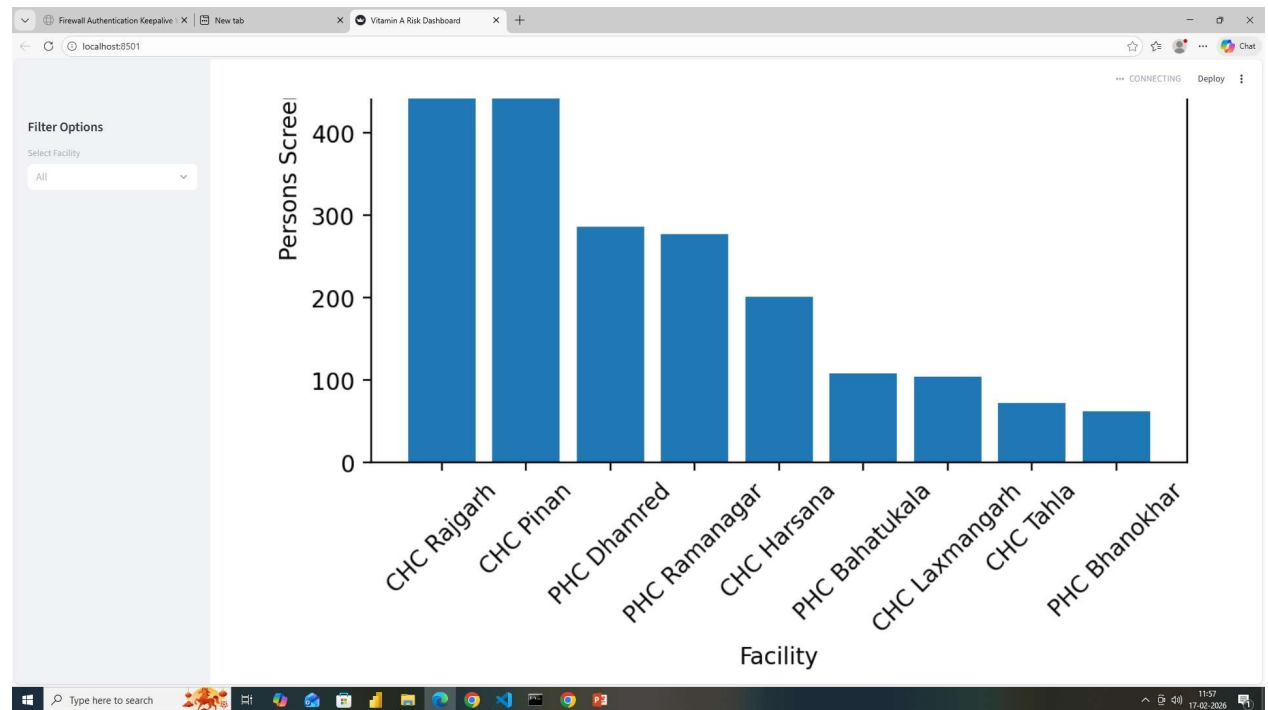
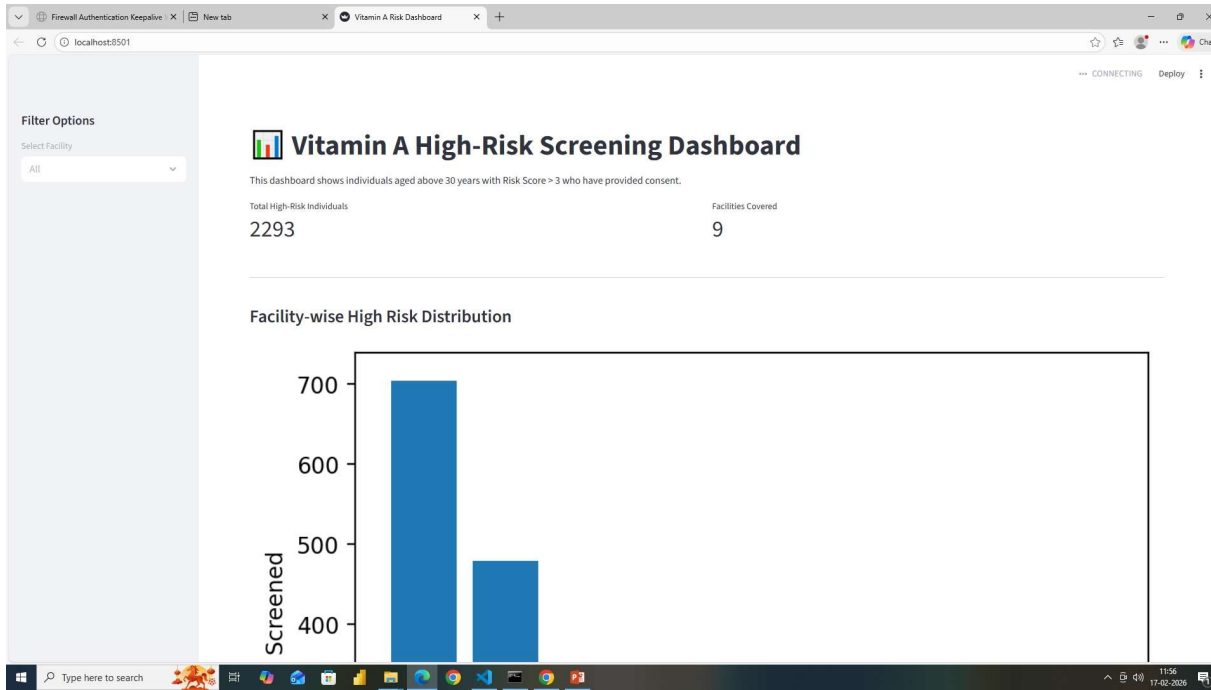
- Dataset contains 110 columns
 - Key Variables Used:
 - q2 → Consent
 - q7 → Age
 - q46 → Risk Score
 - health_facility → Facility Code (mapped using Codebook)

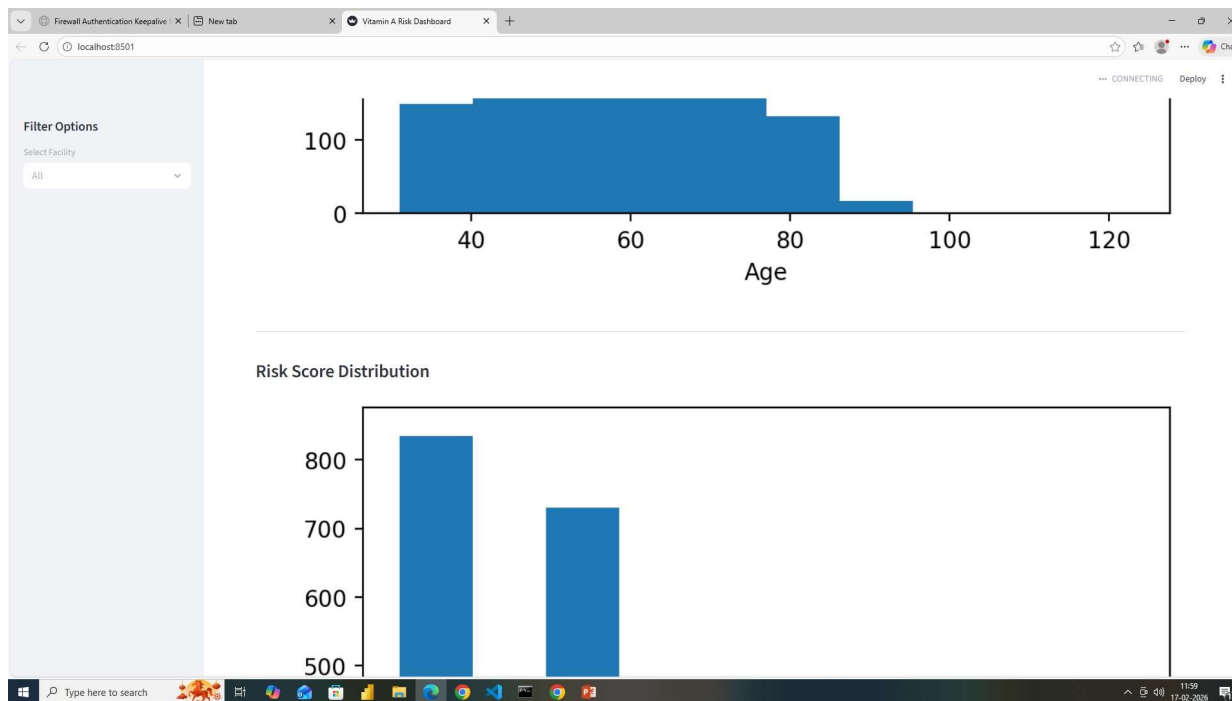
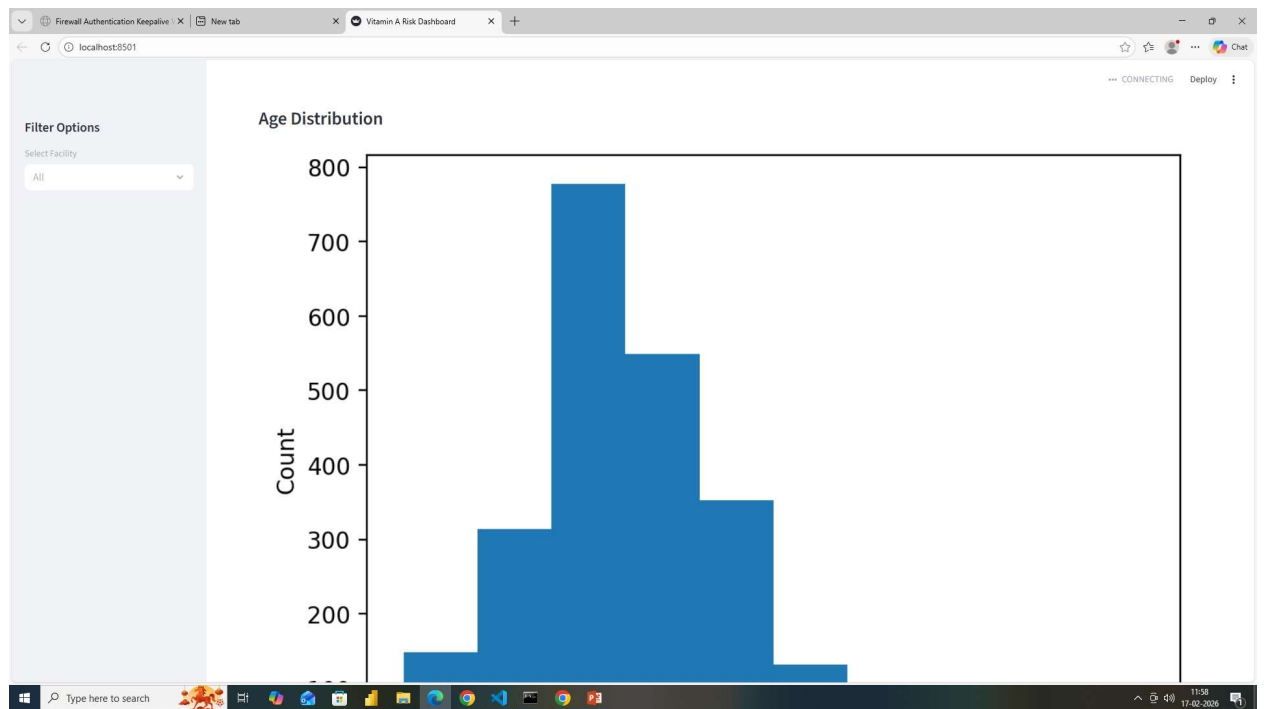
Key Insights

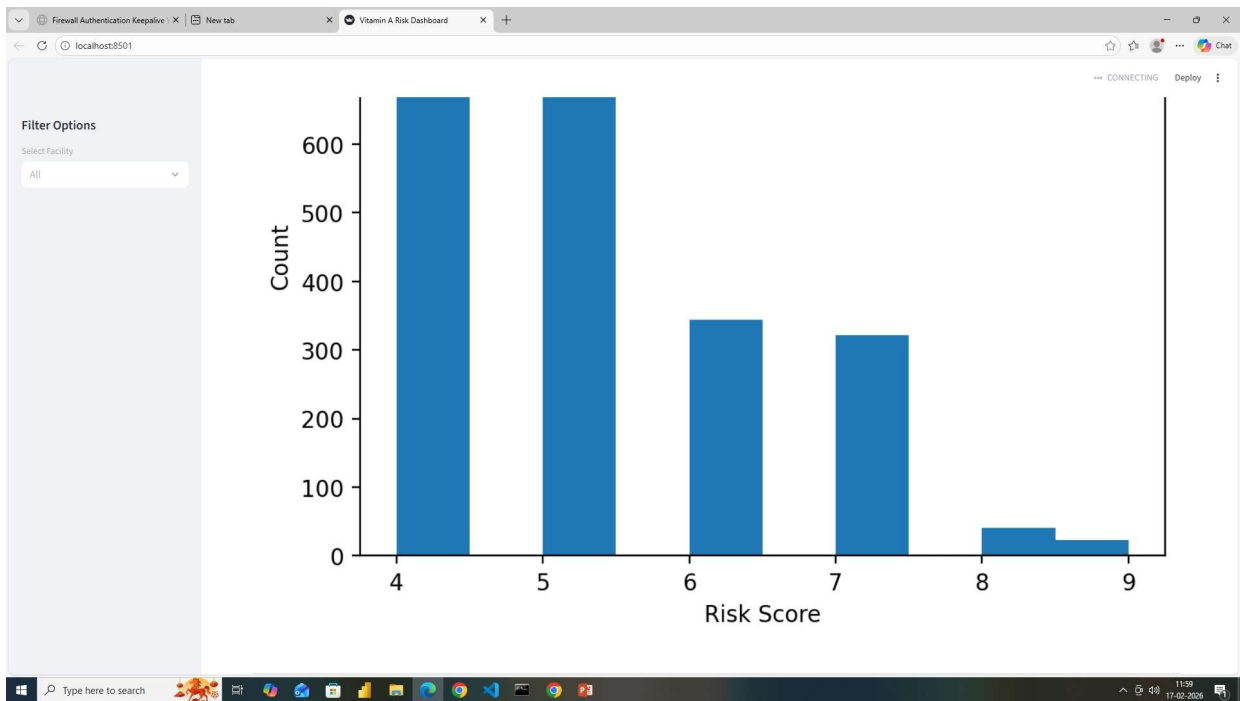
- Total High-Risk Individuals: 2293
 - Highest Burden Facility: CHC Rajgarh (30.7%)
 - Top 3 Facilities contribute ~64% of total high-risk cases
 - Data supports targeted resource allocation

Dashboard Features

- Interactive facility filter
 - KPI summary cards
 - Facility-wise distribution chart
 - Age and Risk score distribution
 - Downloadable filtered dataset







Firewall Authentication Keepalive X New tab X Vitamin A Risk Dashboard X +

localhost:8501

CONNECTING Deploy

4 5 6 7 8 9

Risk Score

Download Filtered Data

Download as CSV

Detailed Summary Table

	facility_name	Persons Screened	% Total Screened
3	CHC Rajgarh	704	30.7
2	CHC Pinan	479	20.89
7	PHC Dhammed	286	12.47
8	PHC Ramanagar	277	12.08
0	CHC Harsana	201	8.77
5	PHC Bahutukala	108	4.71
1	CHC Laxmangarh	104	4.54
4	CHC Tahla	72	3.14
6	PHC Bhanokhar	62	2.7

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Conclusion

- High-risk concentration observed in select facilities
 - Dashboard enables quick monitoring and decision-making
 - Data-driven approach improves public health targeting