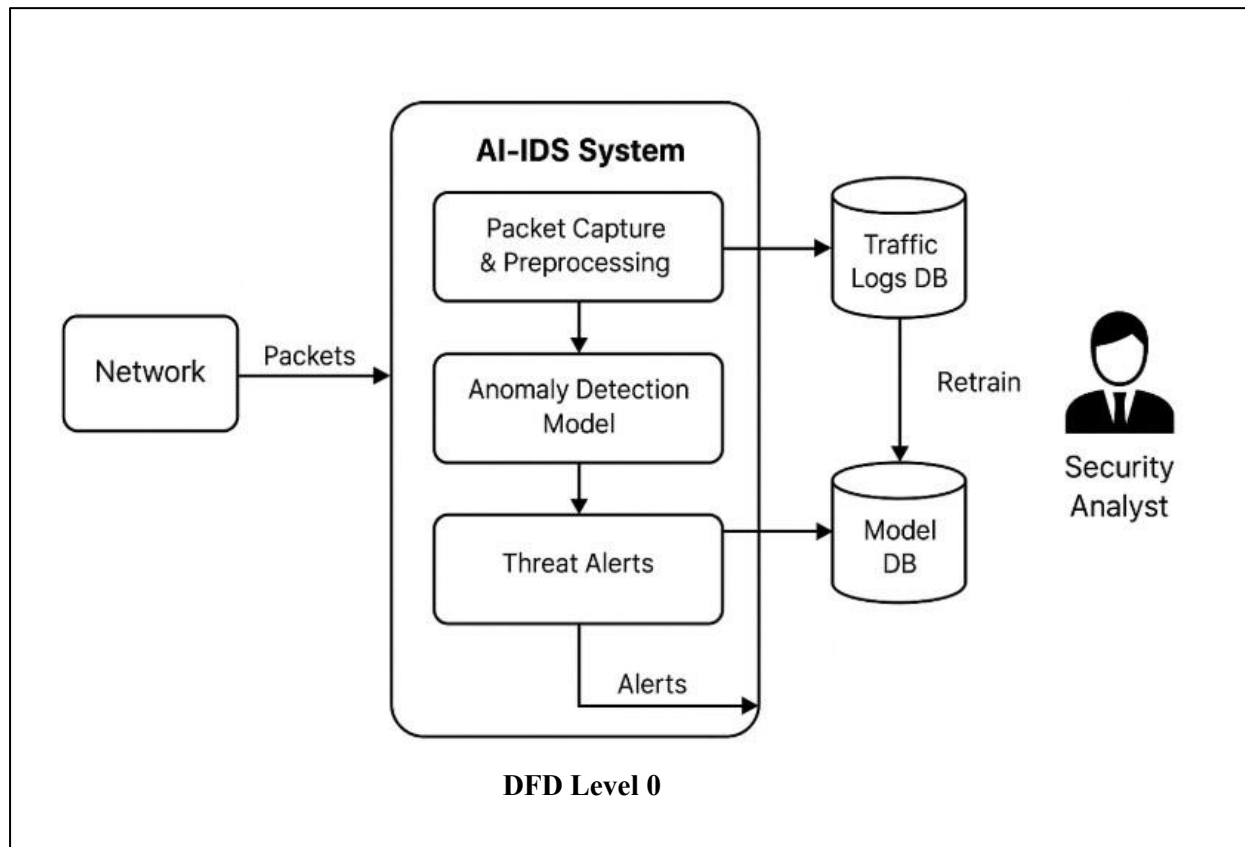


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

<b>Date</b>	29 April 2025
<b>Name</b>	Apurva Lohar
<b>Project Name</b>	AI Enhanced Intrusion Detection System

**Data Flow Diagram –**



### User Stories -

User Type	Functional Requirement (Epic)	User Story No.	User Story / Task	Acceptance Criteria	Priority	Release
Security Analyst	User Authentication	USN-1	As a user, I can log in to the IDS dashboard securely using 2FA.	Successful login and dashboard access with 2FA.	High	Sprint-1
Security Analyst	Alert Review	USN-2	As a user, I can review real-time threat alerts with risk scoring.	System generates live alerts with confidence scores.	High	Sprint-1
Security Analyst	Traffic Monitoring	USN-3	As a user, I can monitor live network traffic and detect anomalies.	Visualize real-time packets and highlight anomalies.	High	Sprint-2
System Admin	Signature Management	USN-4	As an admin, I can update attack signature databases.	Signature updates reflected in threat matching module.	Medium	Sprint-2
AI System	Learning & Adaptation	USN-5	As the system, I can train and update ML models based on incoming traffic.	Models retrain periodically and reflect new patterns.	High	Sprint-3
CISO/Admin	Analytics Dashboard	USN-6	As a CISO, I can view weekly/monthly attack trends and system accuracy metrics.	Dashboard displays correct KPIs and threat history.	Medium	Sprint-3