

Planned Sprint	Actual Sprint	US ID	User Story Description
S1	S1	US-001	Environment Setup & Repository Initialization
S1	S1	US-002	Backend Setup using FastAPI and Uvicorn
S2	S2	US-003	Integration of APIs (GNews, Twitter)
S2	S2	US-004	OpenAI GPT & LLaMA Integration for NLP
S3	S3	US-005	Data Collection Pipeline Initialization
S3	S3	US-006	Data Cleaning & Sentiment Computation
S4	S4	US-007	Trend Forecasting Model Development
S4	S4	US-008	Alert System Configuration (spikes, sentiment, trends)
S5	S5	US-009	Frontend Development (React)
S5	S5	US-010	Dashboard UI Design & Chart Visualization
S6	S6	US-011	Competitor & Domain Selector Modal
S6	S6	US-012	Customizable Filters (Time Range, Sentiment, Source)
S7	S7	US-013	API-Frontend Integration
S7	S7	US-014	Alert Visualization and Notification Center
S8	S8	US-015	Testing of Data APIs and Alert Logic
S8	S8	US-016	Dashboard Deployment
S9	S9	US-017	News Feed Page with Filtering Options
S10	S10	US-018	Social Media Sentiment Analytics Page
S10	S10	US-019	Competitor Insights Panel with Metrics
S11	S11	US-020	Export Feature for Reports and Data Charts
S11	S11	US-021	Data Validation and Error Handling System
S12	S12	US-022	Real-time Alert Push via Slack Webhook
S12	S12	US-023	Automated Data Refresh & Caching Mechanism
S13	S13	US-024	Final Report & Presentation Preparation
S13	S13	US-025	User Onboarding Documentation
S14	S14	US-026	Competitor Benchmark Comparison Table
S14	S14	US-027	Interactive Trend Timelines
S15	S15	US-028	Insight Export to PDF
S15	S15	US-029	Alerts Export to PDF

MoSCoW	Dependency	Assignee	Status
MUST HAVE	VS Code, Git	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Python 3.8+, Pip	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	API Keys	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	OpenAI API Key	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Pandas, Requests	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	TextBlob, NumPy	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Prophet	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Slack Webhook	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Node.js, npm	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Recharts, Lucide Icons	Sibitha Namakkal Ravikumar	3- Completed
COULD HAVE	React Modal, Context API	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	React State Management	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	CORS Middleware	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Slack API	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Postman, cURL	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Render, GitHub CI/CD	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	News API Data	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Reddit & Twitter API	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Chart Components	Sibitha Namakkal Ravikumar	3- Completed
COULD HAVE	CSV Export Package	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	Exception Logging	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Slack API	Sibitha Namakkal Ravikumar	3- Completed
COULD HAVE	LocalStorage, Cache	Sibitha Namakkal Ravikumar	3- Completed
MUST HAVE	PowerPoint, Canva	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Readme, Docsify	Sibitha Namakkal Ravikumar	3- Completed
COULD HAVE	Table Library	Sibitha Namakkal Ravikumar	3- Completed
SHOULD HAVE	Plotly, Matplotlib	Sibitha Namakkal Ravikumar	3- Completed
COULD HAVE	ReportLab	Sibitha Namakkal Ravikumar	3- Completed
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