# Core Dependencies

streamlit==1.28.2

streamlit-extras==0.3.5

# Security

cryptography==41.0.7

bcrypt==4.1.2

pyjwt==2.8.0

python-jose==3.3.0

passlib==1.7.4

# Database

sqlalchemy==2.0.23

alembic==1.13.0

sqlite3-python==1.0.0

# AI/ML Modules

numpy==1.24.3

pandas==2.1.4

scikit-learn==1.3.2

tensorflow==2.15.0

torch==2.1.2

transformers==4.36.2

prophet==1.1.5

statsmodels==0.14.1

# Data Processing

openpyxl==3.1.2

xlrd==2.0.1

python-dateutil==2.8.2

pytz==2023.3

holidays==0.39

# Visualization

plotly==5.18.0

matplotlib==3.8.2

seaborn==0.13.0

altair==5.2.0

# API & Web

fastapi==0.109.0

uvicorn==0.25.0

requests==2.31.0

httpx==0.25.2

aiohttp==3.9.1

websocket-client==1.7.0

# Email & Communications

python-dotenv==1.0.0

sendgrid==6.11.0

twilio==8.11.0

slack-sdk==3.26.1

# File Processing

python-multipart==0.0.6

python-docx==1.1.0

PyPDF2==3.0.1

reportlab==4.0.8

Pillow==10.1.0

# Payment Processing

stripe==7.8.0

square==30.0.0

# Calendar & Scheduling

icalendar==5.0.11

python-crontab==3.0.0

schedule==1.2.0

# Monitoring & Logging

sentry-sdk==1.39.1

prometheus-client==0.19.0

python-json-logger==2.0.7

# Testing

pytest==7.4.3

pytest-cov==4.1.0

pytest-asyncio==0.21.1

pytest-mock==3.12.0

faker==21.0.0

# Development Tools

black==23.12.1

flake8==7.0.0

mypy==1.7.1

pre-commit==3.6.0

autopep8==2.0.4

# Caching

redis==5.0.1

python-memcached==1.62

# Cloud Services (Optional)

boto3==1.34.11 # AWS

google-cloud-storage==2.13.0 # Google Cloud

azure-storage-blob==12.19.0 # Azure

# Rate Limiting

slowapi==0.1.9

python-limiter==0.2.0

# Background Tasks

celery==5.3.4

python-rq==1.15.1

# Utilities

pydantic==2.5.3

python-decouple==3.8

marshmallow==3.20.1

validators==0.22.0

phonenumbers==8.13.27

nameparser==1.1.3