

Super Saiyans

Project Objective

**Fake news detection using
Sentiment Analysis**

Objectives & Progress

- **Enhance User Interface**
 - Web scrapping Added
- **Security safeguards**
 - Dependabot
 - Ci/Cd
- **Deploy**
 - Website using Azure VM
 - Deploy test servers Using Azure Web App Service

Plans for coming week

- **Evaluation**
 - Evaluate Model at the Sentiment Level
 - Evaluate Model at the Final Prediction Level
- **Enrich model** (Sentiment, f1-score, recall, etc)
- Enhance BERT model
- **User Testing**

- Schedule Meetings With Mentors
- Report and Documentation

Models

BERT

- Pre-trained
- Fine tuned
- LIAR data set



LSTM

- Features Extracted
- Fine tuned
- Self created data set

Tasks assigned

IN PROGRESS 7

- Document The models Creation
DOCUMENTATION AND REPORTING
 SUP-47 MM
- Find Users to test the app
TESTING
 SUP-68 AA
- Test BERT Model
CREATE SENTIMENT DETECTION MODEL
 SUP-66 AA
- Collect User-testing data Azure
CREATE USER INTERFACE
 SUP-73 I

DONE 16 ✓

- Train BERT Model
CREATE SENTIMENT DETECTION MODEL
 Create Sentiment Detection Model M
- Deploy Model to the Backend
FRONT-END BACK-END INTEGRATION
 SUP-42 ✓ MM
- Reformat UI Code
CREATE USER INTERFACE
 SUP-13 ✓ J

Trainer Ratings

Trainer	Knowledge	Punctual	Delivery
Graham	4.5	5.0	3.5
Barbara	5.0	4.5	3.5
Keith	3.5	4.0	3.5

IN PROGRESS 7

- fix lstm
CREATE SENTIMENT DETECTION MODEL
 SUP-79 N
- Integrate new model
FRONT-END BACK-END INTEGRATION
 SUP-76 MM
- Create plugin
CREATE USER INTERFACE
 SUP-43 S

DONE 16 ✓

- Create spider graph component
CREATE USER INTERFACE
 SUP-74 ✓ J
- ci/cd setup
CREATE USER INTERFACE
 SUP-71 ✓ KS
- Create Slides for interim presentation
DOCUMENTATION AND REPORTING
 SUP-49 ✓ S

Demo of some aspect

Cloud Hosting VM (with http)

<http://fakenewsdetect.westeurope.cloudapp.azure.com:3000/>

Test Server (with https)

<https://supersaiyans.azurewebsites.net/>