

# Project Proposal

The **Big Five model** is also known as the **Five-Factor Model (FFM)** and **OCEAN model** was developed in the early 1980s according to many psychological theories. When statistical analysis is applied to personality survey data, some words used to describe the person and these words give a summary of the overall character or personality of the person accurately.

- **Open to Experience:** It involves various dimensions, like imagination, sensitivity, attentiveness, preference to variety, and curiosity.
- **Conscientiousness:** This trait is used to describe the carefulness and diligence of the person. It is the quality that describes how organized and efficient a person is.
- **Extraversion:** It is the trait that describes how the best candidates can interact with people that is how good are his/her social skills.
- **Agreeableness:** It is a quality that analyses the individual behavior based on the generosity, sympathy, cooperativeness and ability to adjust with people.
- **Neuroticism:** This trait usually describes a person to have mood swings and has extreme expressive power.

In our project, we try to combine both personality predictions using ML algorithms like KNN, CNN and Logistic regression to predict the personality of a person and **used term frequency algorithm** to get the skill in which the person is good at. Users can easily identify his personality and his technical skill from this model or system.