AMEY BAND

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SUMMARY

Extremely motivated towards converting business requirements into technical solutions. Strong in design and integration with intuitive problem-solving skills. Experienced in the complete product development lifecycle of software applications. A fast learner focusing on end-to-end implementation of ideas rather than learnings only. Looking for an opportunity to work in a challenging environment to prove my skills and utilize my knowledge & intelligence in the growth of the organization.

WORK EXPERIENCE

Contributing Technical Writer | Towards Data Science (Self-employed)   **Apr 2020 - Ongoing**

- Researched machine learning and data science industry related topics (combining online resources and studies).
- Learned the working and functionalities served by that specific concepts using code-snippets and examples.
- Transformed the learnings into executable actions so that concept becomes the reality and monitor the implementation.
- Prepared well-structured & customizable drafts and expressed the learnings through the article accordingly.
- Co-ordinated with editing team for approval and published 10+ articles in Towards Data Science publication.

Intern | One Spot Marketing, Nagpur India   **Jan 2019 - Feb 2019**

- Assisted in marketing and advertising promotional activities like campaigns on social media platforms.
- Collected qualitative data from marketing operations, extracted meaningful insights & performed market analysis.
- Developed prototypes for E-commerce platforms using WordPress and distributed marketing materials.

Web Development Intern | I3 Concepts, Pune India   **Jan 2018 - Mar 2018**

- Designed new website layouts/user interface using bootstrap framework & related web development technologies.
- Responsible for updating websites to modern standards, creating and maintaining the software documentation.
- Worked on the wireframe tools and designed project architectures as per the requirements of designing team.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Data Structures, OOPs
Technology : Data Analysis, Data Visualization, NLP, Machine Learning, Web Development, CNN
Frameworks: Flask, Plotly, Streamlit
Databases: MySQL
Chatbot Services: Google Dialogflow, Amazon Lex
Cloud Platforms: Heroku, AWS

EDUCATION

Bachelor of Engineering in Computer Science & Engineering (CGPA: 8.78)   **Jul 2016 - Jul 2020**
Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Class XII, Computer Science (Result: 84.15%)   **Jul 2015 - Apr 2016**
Keshav Junior Science College, Nagpur

Class X, Maharashtra State Board (Result: 91.40%)   **Jul 2013 - Apr 2014**
Keshav High School, Nagpur

ACADEMIC PROJECTS

Text2emotion Package |Python, NLP, Machine Learning   **Aug 2020**

- Text2emotion is the python package which will help you to extract the emotions from the textual messages.
- Processes any textual message, recognises the emotion embedded in it and Compatible with 5 different emotion categories as Happy, Angry, Sad, Surprise and Fear.
- At first we have the major goal to perform data cleaning and make the content suitable for emotion analysis.
- Detect emotion from every word that we got from pre-processed text and take a count of it for further analytical process.
- After emotion investigation, process the output in the form of dictionary having keys as emotion categories and values as emotion score.
- Higher the score of a particular emotion category, we can conclude that the message belongs to that category.
- [Package Link](#) **(3K+ downloads)**

Postman: Social media posting and analytics tool | Laravel, Flask, Python, REST APIs   **Feb 2020**
- Postman is the platform that will save your time in social media posting and will also suggest the way of efficient posting to grow the social media presence of organizations.
- Single Click post - Connect multiple social media accounts to the postman and achieve single click posting on all the selected social media accounts.
- Track & Analyze - Study and extract various insights from the post's engagement and find out the common trends that audience follows.
- Efficient Posting – Performing data analysis on obtained data, postman will suggest the efficient time for your next post so that you will achieve maximum engagement for that post.

Predict the employee attrition rate | Python, Data Science, Machine Learning   **June 2020**
- The motive of the project was to predict the attrition rate of employees of an organization having a data file consisting of 22 data attributes related to employee performance.
- Performed data cleaning and data analysis steps to select the best possible attributes having a strong relationship with target variable.
- Applied different regression algorithms on training data, predicted the attrition rate and checked the accuracy using root mean squared error.
- Among all the algorithms, the random forest gave the highest accuracy of 83.18 after hyperparameter tuning.

Dashboard for Sentiment Analysis of COVID-19 Tweets | Flask, Python, Tweepy, Textblob, Streamlit, NLP   **May 2020**
- Used Tweepy streaming API for the collection of tweets using the relevant hashtags and stored it in a CSV file.
- Performed necessary text pre-processing steps to extract features from the text data.
- Performed Sentiment Analysis of filtered tweets using Textblob library and categorize them into a positive, negative and neutral category based on polarity score metric.
- Emotional analysis of tweets and classify them in sad, angry, happy and surprise to understand the mental state of people on new decisions of government.
- For productive and easy-to-manage purposes, created interactive dashboard using Plotly and Streamlit in python.

Recommendation Engine Flask Web App | Content Based Filtering, Python, Flask   **June 2020**
- Content based recommendation of movies based on cosine similarity score matrix.
- Developed the movie recommendation engine based on three approaches by weighted average, popularity and genre and content (overview) based.

MOOCS UNDERTAKEN
- Machine Learning: Coursera, Analytics Vidhya
- Data Analysis with Python: IBM Cognitive Class, DataCamp
- Data Visualization with Python: IBM Cognitive Class, Coursera
- CNN & NLP: INeuron AI, Analytics Vidhya
- Essential Maths required for Machine Learning: edX

ACTIVITIES AND ACHIEVEMENTS
- **13th** Rank in Love is Love OCR & NLP challenge hosted by Hackerearth.
- Placed in **top 3%** in Mobility Analytics, Analytics Vidhya challenge.
- Placed in **top 3%** in Identify the Sentiment, Analytics Vidhya challenge.
- **3rd** place in E-Techfest organized by Pankaj Laddhad Institute of Technology and Management Studies.
- **3rd** Place in Sanskrit Pathan Pariksha in School.
- Participated in **ENTREPRENEURSHIP-SUMMIT** 2018 organized by IIT Bombay.