

ONLINE PROFILES

Portfolio: [3zadessg.github.io/](https://3zadessg.github.io/)  
Github: [github.com/3ZadeSSG](https://github.com/3ZadeSSG)  
LinkedIn: [linkedin.com/in/manu-gond-88a513116/](https://linkedin.com/in/manu-gond-88a513116/)

SKILLS

PROGRAMMING LANGUAGES

Experienced:

- C/C++

Intermediate:

- Python
- Java
- PL/SQL

Familiar:

- CUDA C++
- MATLAB
- Bash Shell Script

TOOLS & LIBRARIES

- PyTorch
- Tensorflow
- Google Cloud
- Flask-RESTful
- Android Studio

EDUCATION

M.Sc. Computer Science  
Asutosh College (University of Calcutta)

Session: 2017-2019 | Kolkata, India  
Result: 79.25% (CGPA: 7.36)

COURSEWORK

- Data Structures
- Algorithms
- Discrete Mathematics
- Statistics
- Microprocessor
- Microcontroller
- Advanced DBMS
- Automata Theory
- Compiler Design
- Artificial Intelligence
- Soft Computing
- Computer Network
- Advanced Computer Architecture,
- Socket Programming
- Parallel Programming using CUDA C++
- Computer Graphics
- Image Processing
- Software Engineering
- VLSI Design
- Data Science
- Bioinformatics

PROJECTS

Movie recommendation system using twitter sentiment analysis and content based filter (Python | PyTorch | Flask | JSON | Java | XML | Google Cloud )

- Developed a model which can suggest movies to users based on interests and social media trends on movies using Sentiment analysis and Content based filter. Used Flask-RESTful to connect deployed model to android app. ([github.com/3ZadeSSG/ContentBased-Movie-Recommendation-using-Sentiment-Analysis](https://github.com/3ZadeSSG/ContentBased-Movie-Recommendation-using-Sentiment-Analysis))

Sentiment Analysis on short text type data. (Python | PyTorch | JSON | CSS | HTML | Heroku Cloud)

- Created a text sentiment binary classifier using RNNs with LSTM cells with 88% accuracy on IMDB movie reviews dataset and deployed the trained model on Heroku cloud. Connected a single page website with deployed model to show the prediction from input text. ([github.com/3ZadeSSG/Minor-Project-Sentiment-Analysis](https://github.com/3ZadeSSG/Minor-Project-Sentiment-Analysis))

PNR Enquiry Android App (Java | JSON | XML)

- Created a PNR enquiry android application using Indian Railways API to show status of ticket's PNR status. ([github.com/3ZadeSSG/PNR-Enquiry](https://github.com/3ZadeSSG/PNR-Enquiry))

Socket Programming (Java)

- Created set of programs on socket programming implementing various topics including multithreaded server, RMI, peer to peer chat with GUI. (<https://github.com/3ZadeSSG/Socket-Programming>)

Genetic Algorithm (C++ | Java)

- Implemented Genetic algorithm to solve Travelling Salesman Problem (TSP) and a problem to target maximum audience using optimal number advertisements across TV, newspaper, and radio. (<https://github.com/3ZadeSSG/Genetic-Algorithm>)

HACKATHONS

- Participated in Kaggle Oxford Flower Classifier challenge and was placed 17<sup>th</sup> using Transfer Learning on ResNet -152 CNN model.
- Participated in Hackerrank Coding Competitions earning 1 silver and 3 bronze medals.
- Participated in Hackerrath Moon Rocket Classifier with overall accuracy of 97% using custom CNN. (Oct 2019)

ONLINE SCHOLARSHIPS & COURSES

- Received Advanced Machine Learning with Tensorflow on Google Cloud Platform Specialization (Coursera) course access by completing Google Cloud's 30DaysOnGCP Challenge.
- Received Google India Android Basics Scholarship. (Udacity)
- Received FacebookAI PyTorch Deep Learning Scholarship. (Udacity)
- Completed Machine Learning Track. (DataCamp)
- Completed Data Science Track. (DataCamp)

SEMINAR PARTICIPATION

- Introduction to Digital Signatures. (2017)
- Tensorflow as a New Computing Tool. (2018)
- Approaches for text Classification. (2018)
- Recommendation Systems using social media data & collaborative filter. (2019)

REFERENCES

Prof. Gautam Mahapatra  
Associate Professor,  
Department of Computer Science, Asutosh College, Kolkata- 700026