AMAN HARSH

Integrated Masters of Technology in Mathematics and Computing - IIT, Dhanbad

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Github: https://github.com/AmanHarsh

EXPERIENCE

CIIE (Centre for Innovation, Incubation and Entrepreneurship), Dhanbad — *Front-End Developer*

OCTOBER 2019 - DECEMBER 2020

Developed Front-End for the Official Website of CIIE, in the Old-School / Retro Theme.

ACM Student Chapter, Dhanbad — *Senior Visual Designer*

MARCH 2020

Redesigned ACM's Official Logo and manages multiple layout designs, Brochures Flyers and Templates.

https://drive.google.com/drive/u/1/folders/1-brWx6jAbIkNhzaKSci1h0hoCNhn2gPs

Created Onboarding UI and Graphic Designs for ACM App.

https://drive.google.com/drive/u/1/folders/1h1Npp9HLmxYHTbHuBcdx9TdbzOMnmUfq

PROJECTS

Autonomous Delivery Drone — *Robotics*

Built a (Gazebo-Simulated) Autonomous Drone in Eyantra Competition, which deliver and return parcels in the simulated world using obstacle detection algorithm.

Tech Stack: ROS, PID Tuning, CNN Cascade Classifier, Path Planning & Time Scheduling Algorithm.

Credit-Risk Modeling — *Data Science and Finance*

Built a Real-Life Model for the Banking (Loan) System. Built PD, LGD & EAD Model for calculating final Expected Loss (EL). Used PD Model for predicting Credit Scores in order to give LOAN.

Tech Stack: Data Analysis, Logistic Regression, Multiple Regression, Scikit Learn

Google Stocks Prediction — *Recurrent Neural Network*

Predicted the Google Stocks Trend for 2017 using previous 5 yrs data.

Tech Stack: Time Series, Python, Deep Learning (RNN), Keras

Quora Topic-Modeling — *Natural Language Processing*

Performed Topic Modeling for Dataset of 4,00,000 Questions from Quora and categorized them into 20 Topics, also analyzed data and assigned Topics with Proper Label.

Tech Stack: Tfidf Vectorizer, Non-Negative Matrix Factorization

ChatBot — *Natural Language Processing*

Created a Chatbot that answers to Question in Yes or No, based on the provided story. Chatbot is built on End-to-End Network Model, using BaBi Dataset to train model and built vocabulary. Then also tested it on new customized stories.

Tech Stack: Keras, Tokenizer, Embedding, LSTM, Dropout, Softmax

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — *Integrated Masters of Technology in Mathematics and Computing*

December 2019 - MAY 2020   **CGPA – 8.8**

School, Indore — *12th*

APRIL 2017 - APRIL 2018   **90%**

SKILLS

- **Data-Science:** Data-Analysis, Deep Learning (RNN), Natural Language Processing, TensorFlow, Keras, Scikit Learn, SQL, Bokeh
- **Robotics:** ROS, Arduino-Programming, PID Tuning
- **Designing:** HTML-CSS, Adobe Suite (PS, AI, XD), Graphic & UI/UX Design, Wireframing, Prototyping
- **Coding:** Python, C, C++

ACHIEVEMENTS

- **Got 1st Position** in E-Cell Codebyte competition (Idea pitching & Web Development)
- Get into **Top 5** teams in Fallfest20, (Start-up Ideas and Built Working Model)
- **Stage1 Qualifier** for Eyantra Robotics Competition

POSITIONS OF RESPONSIBILITY

- **Senior Designer** at ACM and NVCTI, IIT (ISM)
- **Front-End Developer** at CIIE, IIT (ISM)
- **Mentor**: Smart Vaccine Storage House (Arduino Project)
- **Graphic Designer** in College Fests

EXTRACURRICULARS

- **RoboISM-IIT(ISM),** Robotics & AI Club Member
- **Artfreaks-IIT(ISM),** Digital Artist
- **Cyberlabs-IIT(ISM),** Infosec Member
- Photo-Editing and Manipulations (Photoshop)
  https://drive.google.com/drive/u/1/folders/1pDtx_oawds2qamKD1ipMxxdInQgkxhG0
- Freelancing

OTHER PROJECTS

- Line - Following Bot
- Email-Spam Detector
- Movie Review (Sentimental Analysis)
- Product Repurchase Prediction
- Story-Text Generation (NLP)
- Resume Designing

PORTFOLIO WEBSITE: https://amanharsh.github.io/iAmanArtifex/