

Anuraag Rath

MBA - Data Analytics/Systems, Marketing

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I am an MBA graduate, trained in Statistics, Economics, Data Analytics, Marketing and Operations Research. Skilled to solve problems and to take up new challenges. I am currently researching on Mathematical Economics (Game Theory), Reinforcement A.I and Theoretical Ecology.

SKILLS

- Statistics
- Micro-Economics and Ecological Economics
- Operations Research (Game Theory)
- Machine Learning, Deep Learning
- Computational Sciences(Numerical Analysis)
- Data Science
- Mathematical Modelling
- GNU/Linux OS, C.L.I, Shell-scripting
- Python 3
- Keras, Scikit-Learn
- Marketing

EDUCATION

Masters In Business administration (MBA)
SRM University, Chennai

June 2021

- Specialized in **Marketing** and **Data Analytics**.
- Graduated with **8.83 CGPA**
- Developed a webapp **Safron** (An app that offers customers marriage packages from Venue to Honeymoon destinations) with a group of 6 for the "**SRM Golu Startup Idea Expo**".
- Worked on a project (a group of 2) named **EagleVision**, a websapp for game lovers where customers can purchase ingame accessories such as weapons, clothing, etc which can be incorporated into games such as PUBG, COD etc. Developed a VR interface for the same as a virtual history themed (Roman, Egyptian) marketplace.
- On the recommendation of Prof. Nandhini R. of DoMS, MBA, SRM Institute of Science and Technology. I had the privilege and honour to take a seminar "**How Organizations protect themselves from Cyberattacks**", where I demonstrated and provided insights on: • Virtualization • Data Security • The Deep Web • Password selection techniques etc.
- **Thesis:** Implementation of Machine Learning on Customers' purchase dataset.

Bachelors In Business Administration (BBA)
SRM University, Chennai

May 2019

- Graduated with **8.17 CGPA**
- Founded the Ed-Tech website - **Recto-Accessum** which helped many students to access notes and prepare for their examinations. Aided many Professors to access notes of various subjects.
- **Thesis:** Implementation of Digitalization in HRM

OTHER

- **Differential Equations for Engineers** - Hong Kong University of Science and Technology | Coursera (6w, **May 21, 2022**)
- **Game Theory** - Stanford University and University of British Colombia | Coursera (8w, **Mar 23, 2022**)
- **Study Designs in Epidemiology** - Imperial College London | Coursera (4w, **Mar 27, 2022**)
- **Machine Learning Models with Python**, Codecademy
- **Python Programming with Data Science**. Udemy.

EXPERIENCE

Data Analyst - Intern

Apr 2021

Hotel Grand Central, Bhubaneswar

- Implemented Multiple Machine Learning models on company datasets.
- Created Reports and Visualizations that aided deep insight about the features of available Datasets.
- Analyzed Sales and Marketing Data using Python libraries like Pandas and Scikit-Learn.
- Performed Research on Customers' purchases of various hotel services and found patterns.
- Performed feature engineering to find patterns in the Data and inferred the implementation of resource optimization.
- Gained insight about hidden details in the data of Customers, their preferences and purchase patterns.

Founder

Mar 2018 - Dec 2021

Recto-Accessum

- Developed Ed-Website using HTML, CSS and JavaScript languages.
- Aided Students to pass their exams.
- Proved to be beneficial to the Professors of multiple Departments.
- Implemented website maintenance, content management and updated security resources.
- Promoted my website through communication and word of mouth.
- Communicated product value, quality and style to educate and entice potential customers.
- Controlled and managed servers, server infrastructure.
- Retained existing clients and developed multiple new accounts by extending high quality and efficient support service.
- Developed online games for Customer retention and online recreation.

HR Executive - Intern

Jun 2019

Hotel Green Park, Chennai

- Devised hiring and recruitment policies for multiple employees.
- Liaised between multiple business divisions to improve communications
- Structured compensation and benefits according to market conditions and budget demands.
- Created organizational filing systems for records and correspondence.
- Devised improved systems and recommended improved practices for optimal resource management.

PROJECT EXPERIENCE

- **Deep Reinforcement Learning -**
- • **A.I learns to play Atari's MsPacman** Using the "Advantage Actor Critic(A2C)" Reinforcement Learning method, the A.I 'Agent' is trained to play Atari's MsPacman. **Website:** <https://bit.ly/3LLdM5y>
- • **A.I learns to play Atari's Breakout** - Using the "Advantage Actor Critic(A2C)" Reinforcement Learning method, the Agent is trained to play Atari's Breakout. **Website:** <https://bit.ly/3GoK2sr>
- **Self Driving Simulation using NEAT** - Using NEAT(Neuroevolution of Augmenting Topologies), a simulated agent learns to drive a car through a series of simple obstacles by Mutating and adopting the 'genotypes' of 'parents'. **Website:** <https://bit.ly/3H1vU7P>
- **Admissions Prediction using Machine Learning** - Created a Multiple linear regression model to predict the likelihood of a student getting Admissions using Kaggle data. Implemented using sklearn library of Python. **Website:** <https://bit.ly/3xRDXjd>
- **RathCoin** - A simple cryptocurrency implemented and deployed over the Ethereum Blockchain using Solidity, the programming language of the Ethereum Virtual Machine. Deployed on the Rinkeby testnet. **Website:** <https://bit.ly/3xNOWdz> . **RathCoin — The New Crypto economy:** <https://bit.ly/3wTdjqj>
- **E.R.I.C (Enhanced Realtime Interactive Computer)** - A simple Voice assistant that can open subreddits, create new folders, launch apps, provide information about the weather, provide wikipedia information and tell jokes. This has been developed using Python3 libraries like BeautifulSoup, os, speech_recognition, sys, subprocess, Wikipedia. **Website:** <https://bit.ly/2SSjhsR>