Rajath Manjunath

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Professional Summary : I am a Computer Science and Engineering Graduate having a strong background in Mathematics. I have professional work experience in developing and deploying Machine Learning Models for Blockchain Applications. Looking for Opportunities in the IT Industry to fine tune my skills.

EDUCATION

- **MS in Computer Science** (August 2021 – May 2022)
  Arizona State University, Tempe, United States
- **Bachelor of Engineering in Computer Science & Engineering** (August 2016 - October 2020)
  M.S. Ramaiah Institute of Technology, Bangalore, India

TECHNICAL SKILLS

Areas of Experience: Data Analytics, Statistical Machine Learning, Blockchain
Programming Languages: Python, SQL, C, C++, Javascript, MongoDB, NodeJs
Tools & Frameworks: Git, Docker, AWS, Pandas, NumPy, Matplotlib, MS Excel

WORK EXPERIENCE

Machine Learning Engineer   **(November 2020 - June 2021)**
Sovereign Wallet Network Global **- Bangalore, Karnataka, India**
- Proposed a Mathematical Financial Model and developed a PoC to develop an AI-based Central Bank, which can regulate the volume of circulation of MetaMUI Digital Currency based on Financial Big Data generated from the MetaMUI Blockchain
- Worked on the Design and Development of Algorithmic Central Bank by implementing Machine Learning Models to create an automated Central Bank which can make Monetary Decisions based on the current economic situation of the Market
- Resolved the potential faults in the Implementation logic of an Order Matching Engine designed for the MetaBlock Exchange
- Contributed towards The Algorithmic Central Bank Research and Documentation

INTERNSHIPS

Software Engineering Virtual Internship - *JP Morgan Chase & Co – Forage*   **(June 2020)**
- Worked on the frontend of the financial data feed application that collects financial stock data in the form of feeds
- Performed Data Visualization on stock data using Perspective tool, designed for the visual manipulation of data feeds

PUBLICATIONS

1. **Compiler Optimization and Performance Enhancement using Parallelism**
   https://www.ijresm.com/Vol.2_2019/Vol2_Iss4_April19/IJRESM_V2_I4_167.pdf

PROJECTS

Income Prediction Model – Arizona State University (Jan – May 2022)
1. Performed Data Analysis to help find factors that determine an individual's income which is used to assist a Marketing Degree College to increase their enrolment
2. Generated Plots using Python to Visualize the Results
3. Prepared a Report that includes the Observations and Inferences

Link Prediction and Cascading within Subreddits – Arizona State University (Sept – Dec 2021)
1. Worked on the Data Preprocessing and Generated Validation, Test and Training Graphs using NetworkX Library in Python

Extractive Text Summarizer for Kannada Language using NLP Techniques -
M.S. Ramaiah Institute of Technology (Jan – June 2020)
1. Developed a user-friendly Application that can summarize an input text file in those many lines as specified by the user, using word vectors and cosine similarity technique. Used ROUGE metric to measure the performance

HONORS AND AWARDS

1. **Silver Medallist at the International Astronomy and Astrophysics Competition (IAAC) 2020:**
   Received the Silver Medal at the International Astronomy and Astrophysics Competition (IAAC) 2020

2. **"Elite + Silver Medal" Honor in the MOOC "Data Science for Engineers" in the year 2019:**
   Earned an "Elite+Silver Medal" honorary mention on the certificate for having an aggregate score of more than 75%

3. **CSE Department Topper in the Annual Sophomore Mathematics Quiz Competition 2018:**
   Stood First from the Computer Science and Engineering Department in the Annual Sophomore Mathematics Quiz Competition 2018 conducted by the Department of Mathematics, Ramaiah Institute of Technology – Bengaluru

4. **Star Gold Student of M.E.S. Kishore Kendra Public School, Bangalore 2013:**
   Awarded for Academic Excellence