Harsh Manoj More

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EDUCATION

North Carolina State University, Raleigh   Aug 2024 - May 2026
Master's in Computer Science

Vishwakarma Institute of Technology, Pune   Aug 2019 - May 2023
Bachelor of Technology in Information Technology, GPA 9.73/10.0

Indian Institute of Technology, Madras   Jan 2021 - Dec 2023
Diploma in Programming, GPA 8.7/10.0 | *Diploma in Data Science*, GPA 8.41/10.0

Relevant Coursework: Linear Algebra, Calculus, Statistics, Database Management Systems, Artificial Intelligence, Machine Learning, Natural Language Processing, C++, Python, Data Structures, Object Oriented Programming

SKILLS

- C, C++, Python, DSA, OOP, HTML, CSS, JavaScript, Flask, MySQL, MongoDB
- NumPy, Pandas, Scikit learn, TensorFlow, Keras, Matplotlib, Seaborn, OpenCV, Git, GitHub
- Data analysis, Predictive analytics, Regression, Classification, Supervised, Unsupervised models, NLP, ML, DL
- Leadership, Time Management, Critical Thinking, Problem Solving, Communication

EXPERIENCE

Barclays, Pune, Graduate Analyst   Jul 2023 - Jul 2024
- Developed Holt's Winter Exponential Smoothing model to forecast server utilization based on CPU usage data to reduce potential anomalies caused by server max utilization.
- Developed XGBoost Regressor model to identify under-utilized servers based on memory usage data, ensuring better infrastructure management. Reported underutilized servers on Tableau dashboard.

TomTom, Pune, Software Engineering Intern   Jan 2023 - Jun 2023
- Utilized ReactJs to create a better user interface dashboard for end-users to upload new geographic data.
- Updated maps database by developing SQL queries to alter and extract geographical data from shape files.

Barclays, Pune, Data Science Intern   Jun 2022 - Aug 2022
- Analyzed Barclays internal data to create Word2vec NLP model, agglomerative clustering model, Roberta model architecture to group similar incidents together and to categorize and name incident clusters effectively.
- Applied machine learning model to create end to end automated machine learning pipeline for data cleaning and processing, reducing human efforts.

PROJECTS

- **Transformer based Text Summary Generation for Videos** (**GitHub Link**)
- **Align Dental Studio, Pune, Freelance | Website** (**Website Link**)

RESEARCH WORK

- Transformer-based Text Summary Generation for Videos (**Link**).   [IEEE - Jul 2024]
- A Time Series Classifier-Based Ensemble for Predictive Maintenance of Machines (**Link**).   [Springer - Oct 2023]
- A Semi-Supervised GAN Architecture for Video Classification (**Link**).   [IEEE - Mar 2023]
- Fundamental Analysis of Equity Instruments Using an Equity Embedding Neural Network (**Link**). [IEEE - Apr 2023]
- Analysis of Clustering Algorithms for Music Recommendation (**Link**).   [IEEE - Jul 2022]

ACHIEVEMENTS

- Secured 1st rank in CODE INNOVATION SERIES HACKATHON powered by GitHub for ModAR project (**Link**).
- Received Best Prototype Award at Xperiments 6.0 hackathon organized by UST Product Engineering (**Link**).

EXTRA CURRICULAR

IEEE Student Branch Executive Committee Member & Coding Club Head | GedIT Coding Club head
Aatmabodh Volunteer (VIT Social Welfare & Development)