ADARSH THOKE

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EDUCATION

University of Colorado Denver, Master of Computer Science (Thesis Track) (3.2/4.0) Expected 2024
Relevant Coursework: Machine Learning, Artificial Intelligence, Deep Learning, Advance Computer Architecture, Operating Systems and Algorithms.

University of Mumbai, Bachelor of Engineering in Information Technology(3.26/4) 2016 - 2020

SKILLS

Programming Languages	Java, Python, JavaScript, HTML/CSS, SQL.
Data Management	MongoDB, Redis, Kafka.
Technologies/Frameworks:	Git, Pandas, NumPy, Scikit, TensorFlow, AWS, SpringBoot and Web Services.

EXPERIENCE

Research Assistant June 2023 - Present
College of Engineering, Design and Computing, University of Colorado. *Denver, CO*
Currently working with Prof. Liang He on ARADISS (Adaptive Real-time Anomaly Detection and Identification for Space Systems.

Software Engineer Nov 2020 - July 2022
Reliance Jio Platforms Ltd. *Navi Mumbai, India*

- I worked with the Enterprise team at Jio as Developer. Build new features and crafted APIs for CCM Portal for sending Promotional templates to more than 400M plus users. Also, Provided development Support for KMS System.
- Created streamlined access to fetch keys from WhatsApp(Meta) after uploading Jio promotional Template from scratch.
- Implemented Kafka which optimizes user query distribution and used Redis to improve the performance of the System.
- Worked with the Customer Experience Team, contributing to 3 live chat products: MyJio, HelloJio in MyJio, and JioCare on WhatsApp.
- I identify KPIs specific to each product, tested more than 2000 queries and solved critical blocker issues. Over the course of three months, increase user acquisition by up to 8%.

PROJECTS

Smart Vehicle Assistance System Deep Learning '23
Develop Web App for Traffic Signal recognition, employing a CNN model via Keras. Backend powered by Python, and Flask, enabling model interaction. Leveraged ReactJs for a responsive frontend. (Have a Look)

Dynamic Pricing of food products to reduce wastage Machine Learning '22
Implemented dynamic price adjustments based on expiry dates to boost sales and curtail discarded inventory. Build a model using Linear Regression and a dataset from scratch. Leveraged Python, Jupyter, and standard sci-kit learn libraries for seamless data manipulation, modeling, and analysis. (Have a Look)

Chain Reaction Game Artifical Intelligence '22
Developed an AI Bot for a chain reaction game, using a minimax algorithm with alpha-beta pruning and Pygame Libraries. Bot showcased a 86% win rate against human players.

Human Detector Robot- Drishti Robotics, C '19
Developed a prototype of a snake bot designed to locate humans under natural calamity. The technology used Arduino UNO and C. Won 50,000 INR Prize by the United Nations Development Programme and Navi Mumbai Municipal Corporation.

Smart Toilet Feedback System IOT '18
IoT-centric project aimed at garnering real-time feedback through an integrated display in public restrooms to gauge cleanliness status. Executed a prototype employing an array of sensors for footfall tracking, while incorporating an automated toilet system for enhanced functionality.

Oject Detection Application Internship '18
As an Intern developed an Object Detection application, used to detect objects implemented using python, Caltech 101 objects, TensorFlow, Android Studio and OpenCV libraries.

CERTIFICATES AND EXTRA-CURRICULAR ACTIVITIES

Letter of Appreciation from the Head of Department for Seminar conducted on Refactoring of code.	2021
Certificate of Appreciation from Navi Mumbai Municipal Corporation and UNDP.	2019
Organize Tedx Event for TEDxDYPatilUniversity, "EVENTS HEAD" for the Annual College Cultural Fest.	2017-2019