Yashwanth Krishna Porandla

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Education

University at Buffalo, The State University of New York   May 2024
Master of Science in Computer Science   *GPA: 3.87/4.0*
- Grader for Analysis of Algorithms: Prepared and graded assignments in an advanced algorithms course.

Indian Institute of Technology, (BHU) Varanasi   May 2015
Bachelor of Technology
- Major in Mechanical Engineering.

Relevant Coursework

- Analysis of Algorithms
- Query Language
- Parllel Algorithms
- Machine Learning
- Distributed Systems
- Project Development
- Data Intensive Computing

Experience

Indian Oil Corporation Limited

Assistant Manager-IT   Apr. 2020 – Dec. 2022
- Developed a user-centric dashboard, improving customer experience resulting 20% increase in user interactions.
- Implemented automated retail order placement achieved a 30% reduction in order confirmation time and a 90% reduction in stock exhaustion.
- Designed multiple features to provide a comprehensive solution for customers; a facility management feature for customer-facing retail portal improved average resolution time by 15 hours.
- Engaged directly with customers to understand pain points and led a team of 5 engineers to achieve a 50% reduction in support tickets over 1 year.
- Developed a full stack real-time price comparison app for retail outlets, leading to 20% reduction in time consumers spend on choosing fuel stations.

Retail Manager   Nov. 2016 – Mar. 2020
- Managed daily operations across 60+ outlets and increased market share through outlet modernization, customer service improvement, establishing new stores in strategic locations, and targeted customer acquisition.

Academic Projects

ML based vehicle inspection- ACV Auctions, | *Python, Javascript, Firebase*   Dec. 2023
- Engineered a full stack React Native (Expo) mobile app to estimate a car's resale value from 360-degree video footage, incorporating VIN decoding and real-time pricing.
- Integrated image-based damage detection through ML models, using Firebase as backend support.
- Clinched 2nd Prize in Fall 2023 CSE 611 for app's innovative contribution to automotive evaluations.

Distributed systems | *Golang, Git*   Jul. 2023
- Implemented map-reduce algorithms and snapshots across servers in a distributed system.
- Managed server heartbeat communications and ensured robust leader election and re-election protocols using RAFT.

Technical Skills

Languages: Python, GO, Java, JavaScript, SQL, GraphQL, HTML, CSS.
Developer Tools: Kubernetes, Docker, AWS EC2, AWS S3, Firebase, Azure.
Technologies/Frameworks: Flask, Django, OpenMP, PySpark, GitHub.

Certifications/Extracurricular

- Python for Data Science and Machine Learning, Udemy.   Mar. 2021
- Data Structures and Algorithms - Python, Udemy.   Dec. 2021