

Nikhil Komal Kumar Yakkala

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EDUCATION

DePaul University

Master of Science in Computer Engineering GPA: 3.7/4.0

Relevant Coursework: Programming Machine Learning Application; Distributed Systems; Software Architecture; Mining Big Data; Object-Oriented Software Development; Database Programming

Chicago, IL

September 2022 - June 2024

Geethanjali College of Engineering and Technology

Bachelor of Technology in Computer Engineering GPA: 3.6/4.0

Relevant Coursework: Design and Analysis of Algorithms; Operating Systems; Artificial Intelligence; Mobile Application Development

Hyderabad, India

August 2017 - June 2021

SKILLS

Programming Languages: Python, R, C, Java, SQL

Databases: MySQL, OracleSQL

Web Development: MEAN Stack (MongoDB, Express.js, Angular, Node.js), React.js, HTML, JSS

Frameworks / Tools: AWS, Azure, Snowflake, DBT, Control-M, Hadoop, JIRA, Confluence

WORK EXPERIENCE

Computer Science Grader | School of Computing, DePaul University | Chicago, IL

September 2023 - Present

- Managed grading responsibilities for Data Analytics and Regression, Distributed Systems, and Big Data Mining concurrently, ensuring adherence to quality standards and meeting deadlines effectively.
- Evaluated and graded 50+ assignments per week, prioritizing fairness and accuracy to uphold academic integrity.
- Provided personalized guidance and support to over 100 students, aiding comprehension, addressing inquiries across the subjects.

Associate Professional Software Engineer, Data | DXC Technology | Chennai, India

August 2021 - January 2022

- Designed and implemented data ingestion pipelines from 3 diverse sources to the cloud, ensuring seamless user accessibility for data extraction and analysis.
- Designed Python programs to streamline data extraction and automate query design and execution, saving 2hrs of unit testing.
- Collaborated with 2 cross-functional teams to enhance user experience, leading to a notable 15% increase in user satisfaction.
- Designed and implemented Datastage jobs for file generation, integrated managed foundation pipeline (MFP) into staging layer (DL2) and created DBT tasks for data integration.
- Engineered Control-M jobs, orchestrating schedules for Datastage and DBT jobs, resulting a boost in overall workflow efficiency.

PROJECTS

DePaul University

Decentralized Blockchain Ledger System

Chicago, IL

January 2023 - March 2023

- Implemented socket programming to replicate a blockchain, ensuring secure data transmission across 10 synchronized nodes.
- Engineered a ledger system for secure data passage, employing serialization and deserialization, error handling with sockets, and socket timeouts for flawless communication.

Geethanjali College of Engineering and Technology

Survey on Cyber Bullying

Hyderabad, India

April 2021 – June 2021

- Executed ML models across 10+ datasets, crafting a survey to determine optimal model selection for specific dataset characteristics.
- Utilized Python, Jupyter Notebook for sophisticated analysis, collecting key insights and facilitating a full review of the subject.
- Analysed and assessed merits and drawbacks of models and concluded that Random Forest is best suitable for most of the datasets.

Geethanjali College of Engineering and Technology

Tuition Wala

Hyderabad, India

May 2020 - June 2020

- Created a web platform using MEAN Stack, streamlining the tuition search process for students, tutors, and tutoring center's.
- Pioneered user authentication, astutely managed databases, and implemented intuitive search functionality, culminating in a substantial reduction in time needed to identify suitable tuition options.
- Embellished the user experience and interface through responsive design, catalysing 20% surge in user engagement.
- Introduced recommendation algorithms, elevating user satisfaction and achieving a 15% increase in successful tuition matches.

LEADERSHIP AND ACHIEVEMENTS

- Led the Creative Design Club of 20 people, crafted eye-catching flyers for college events, leaving a memorable impression.
- Oversaw Alphametica-2020, directing 100 people and arranging committees, budgets, logistics for a highly successful event.
- Guided team of 6 to win J-Hub Hackathon for the project "Security System for Face Recognition and Voice Assistance."