Nikhil Komal Kumar Yakkala

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EDUCATION

DePaul University   **Chicago, IL**
Master of Science in Computer Engineering **GPA: 3.7/4.0**   **September 2022 - June 2024**
Relevant Coursework: Programming Machine Learning Application; Distributed Systems; Software Architecture; Mining Big Data; Object-Oriented Software Development; Database Programming

Geethanjali College of Engineering and Technology   **Hyderabad, India**
Bachelor of Technology in Computer Engineering **GPA: 3.6/4.0**   **August 2017 - June 2021**
Relevant Coursework: Design and Analysis of Algorithms; Operating Systems; Artificial Intelligence; Mobile Application Development

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 - June 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   *Chicago, IL*
Decentralized Blockchain Ledger System   **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   *Hyderabad, India*
Survey on Cyber Bullying   **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   *Hyderabad, India*
TutorHub Connect   **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."