NAKUL KUMBRIA

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ACADEMIC QUALIFICATION

The University of Southern California (USC)   **2025 - Present**

Master of Science, Computer Science
GPA: 4.000/4.000

The University of Texas Permian Basin   **2018 - 2022**

Bachelor of Science, Computer Science

GPA: 3.851/4.000 (*Dean's List , President's Honor Roll)*

PROFESSIONAL EXPERIENCE

IT Project Manager 1, Thermo Fisher Scientific Carlsbad, California   **Nov 2024 – Present**

- Developed AI-powered chatbots using the OpenAI API, integrating them with Streamlit and LangChain for enhanced conversational capabilities.
- Implemented Retrieval-Augmented Generation (RAG) in Databricks, training custom chatbots for optimized information retrieval and response accuracy.
- Automated contract management workflows on Monday.com, streamlining document handling and reducing manual effort.
- Supported and managed the Data Science team, serving as Databricks administrator for the non-production environment, ensuring optimal platform performance.
- Built cloud-based solutions on AWS Cloud9, leveraging CodeWhisperer to enhance development efficiency and scalability.
- Collaborating on tracking EC2 server cost savings, optimizing resource allocation and improving cloud cost efficiency.
- Automated extraction and visualization of Agile metrics by integrating Jira Velocity Chart and Sprint Report data with Python, generating charts and emailing sprint summaries to stakeholders.

System Analyst, Thermo Fisher Scientific Carlsbad, California   **June 2022 – Nov 2024**

- Acted as an administrator for Planview Enterprise PPM.
- Provided technical support to users of Planview Enterprise PPM and Planview PPM Pro.
- Utilized Microsoft Power BI & Tableau to create meaningful dashboards for leadership to view important financial data.
- Used Amazon Redshift to store company sales data from Salesforce.
- Developed powerful dashboards in Salesforce to assist instance admins in supporting their finance teams with big data analysis.
- Leveraged AWS S3 buckets for file storage, connected with Databricks for data transformations to improve cross-tool data translation.
- Automated daily tasks using UI Path, Power Automate, and Selenium, achieving significant cost savings for the company.
- Managed and modified data in Microsoft SQL Server using DBeaver, and automated data transfer from SharePoint to the database using Python.

INTERNSHIP EXPERIENCE

Web Developer (Intern), Experis IT (Manpower Group), Gurugram, Haryana (India)   **June 2021 - August 2021**

- Coded in PHP using the CodeIgniter framework to achieve the following goals:
- Designed and developed databases to support various applications, ensuring quality performance, reliability, and security.
- Collaborated with team members to establish business standards and set up recovery and backup processes.
- Worked with development and IT teams to troubleshoot data or performance issues, collaborating with developers, project managers, and business analysts to conceptualize and develop new software applications and enhancements.
- Reviewed and worked within agreed timescales, providing feedback to project managers on any variances arising during task execution.
- Developed and supported database architecture and development to create and enhance Enterprise Applications.
- Assisted the Senior Database Architect by providing technical expertise and critical input for hardware sizing, vendor selection, and software configuration decisions.

Web Developer (Intern), SUNLOC   **Dec 2020 - May 2021**

- Created and maintained the organization's website.
- Installed, configured, and upgraded MySQL Server and related products.
- Managed database design and implementation.
- Implemented and maintained database security protocols.
- Set up and maintain backup and recovery policies and procedures.

Web Developer (Intern), Global Tennis Academy   **July 2020 - August 2020**

- Installed, configured, and upgraded MySQL Server along with associated products.
- Managed the design and implementation of databases.
- Developed and maintained the organization's website.

TECHNICAL SKILLS

Programming: C++, Java, HTML, CSS, JavaScript/JQuery, React and Node Framework, Bootstrap Framework, Springboot Framework, Laravel Framework, Databricks, Redshift, AWS S3 and EC2, AWS Cloud 9 with Code Whisperer, AWS SageMaker, Dbeaver, Python, PySpark, React and Node, PHP, C#, C, MySQL, GraphQL, MongoDB, Salesforce, UI Path, Power Automate, and Microsoft Power BI.

Operating Systems: Unix, Mac OS, and Windows.

Other Skills: Version Control/GIT, Responsive Design, Unit Testing, Information, Architecture, UI/UX Design, Strategic Planning, Problem Solving, Team Management, Leadership, Process Enhancement, Training and Development, Operational Efficiency, and Strong Analytical Skills.