

NIKU KUMAR SINGH

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SUMMARY

As I step into the IT field, I bring a hunger for learning and adaptability, eager to make impactful contributions to company achievements and my own professional journey.

Education

Poornima Institute of Engineering and Technology

Sep. 2020 – June 2024

Bachelor of Technology in Computer Science and Engineering

Jaipur, Rajasthan

H/S Cum Rajkiya Inter College Navtan

Mar. 2018 – Feb. 2020

Secondary Schooling

Siwan, Bihar

Experience

Celebal Technologies

Sep 2024 – Present

Junior Associate Data Engineer, Intern

Jaipur, Rajasthan

- Implemented efficient data processing using Python, SQL and PySpark, optimizing workflows and enhancing performance across various use cases.
- Applied optimization techniques on Databricks, significantly improving the performance of data pipelines and analytics workflows.
- Worked with different data formats like Parquet and Delta to ensure scalable and efficient storage and retrieval of large datasets.

Celebal Technologies

May 2023 – July 2023

Data Engineer Intern

Jaipur, Rajasthan

- Implemented streamlined data processing solutions using Python, SQL, and PySpark, significantly enhancing system efficiency.
- Collaborated on significant big data projects, gaining hands-on experience in managing large datasets. Proactively addressed data processing challenges and enhancing system performance.

Kistechnosoftware

July 2022 – August 2022

Full Stack Developer Intern

Jaipur, Rajasthan

- Engaged in dynamic web projects, showcasing proficiency in HTML, CSS, JavaScript, PHP, and MySQL. Demonstrated the ability to seamlessly blend the visual appeal and functionality of websites, ensuring they not only operate smoothly but also boast an impressive aesthetic.
- Collaborated with teams to create awesome websites that not only look fantastic but also run smoothly.

Projects / Use-Case

🔗 **Continuous ETL Pipeline with Delta Lake on Databricks** | *Python, PySpark, Databricks, Azure*

- Developed a real-time ETL pipeline using Python and Auto Loader to continuously ingest and process data every 2 minutes, performing complex transformations, and leveraging Delta Lake for data consistency, scalability, and efficient storage.
- Integrated Azure with Databricks through a mount point, implementing the Medallion Architecture for optimized data storage and processing, ensuring high-performance, fault-tolerant data flow across Bronze, Silver, and Gold layers.

🔗 **Google Play Store Data Analysis** | *Python, SQL, PySpark, Databricks*

- Employing PySpark, Python, and MySQL on Databricks, we aim to conduct comprehensive analysis of Google Play Store data, focusing on app performance metrics, user feedback, and market trends to provide actionable insights for informed decision-making in app development strategies.

- With Databricks and SQL, we efficiently prepared and analyzed Google Play Store data from Kaggle, utilizing PySpark and Python to extract valuable insights for strategic decision-making in app development.

🔗 **ShaadiKaro.com** | *HTML, CSS, JS, PHP, SQL*

- Developed a matrimonial site with HTML, CSS, JavaScript, PHP, and MySQL, optimizing user connections through an intuitive interface and a robust nationwide relationship algorithm.
- Implemented advanced security measures, including data encryption and secure user authentication, ensuring privacy on the platform.

🔗 **ClubIn Website** | *HTML, CSS, BOOTSTRAP*

- Developed a user-friendly web interface with HTML, CSS, and Bootstrap, offering quick and intuitive access to comprehensive details on local clubs, enhancing user experience and engagement.
- Crafted a sleek single-page website using HTML, CSS, and Bootstrap to showcase an extensive list of clubs in a targeted area, providing users with easy access to detailed club information.






Technical Skills

Languages: C, C++, Python, SQL, HTML/CSS, PHP

Developer Tools: VS Code, GitHub, Databricks

Technologies/Frameworks: PySpark, AWS, Linux, Azure Storage, SSMS

Certification / Extracurricular

- Academy Accreditation - Databricks Fundamentals 
- Python Essentials: Cisco Networking Academy 
- Microsoft Certified: Azure Data Fundamentals 
- Recognized as the Best Performer in Full Stack Web Development internship at Poornima Institute of Engineering and Technology, honored at UDHBHAV-2022 National Exhibition. 
- Published paper titled "Review on Smart Learning Environment and Innovative Education". In the International Journal of Telecommunications and Emerging Technologies. 
- Published paper titled "Effect of Covid-19 in India" in the NOLEGEIN Journal of Global Marketing. 