

Viha Gupta

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SKILLS

Python, Spark, Javascript, Golang, T-SQL, Shell Scripting, Database Design, Data Warehousing, ETL, Agile Software Development, AWS, Git

EXPERIENCE

Data Engineer Consultant

AH Infotech

February 2020 – August 2021, New York City, NY

- Client: Sony Music Entertainment
- Built an automated multi-phase ETL pipeline to migrate data from Sybase to AWS Redshift.
- Translated legacy data reporting logic from T-SQL to Spark SQL.
- Provided maintenance support in updating legacy scripts with latest business logic during the rollover period. Introduced database management best practices to streamline productivity within the team.
- Enhanced numerous scripts to run in a parallel multi-threaded fashion thereby improving overall throughput manifold.
- Identified a lack of proper documentation. Brought all documentation up to speed and shared with the team.
- Managed and mentored an intern for a period of six weeks on an NLP project for our client.
- Tech stack: Python, Spark, AWS S3, AWS Lambda, AWS Redshift, Bash, Sybase, Power BI, Linux.

Software Engineer

Raj Comics

January 2020 – January 2020, New Delhi, IN

- Zero-to-one ownership of developing a custom ERP solution that modernized an archaic paper based publishing business.
- Architected, developed and tested a full-stack Delphi application that boosted sales by 35% within two months.
- Interacted with stakeholders and end-users to gather requirements and develop user-friendly software in an agile fashion.
- Consolidated and standardized client data from multiple sources to create a centralized database.
- Enhanced business insights via in-app KPI dashboards and interactive reporting tools.
- Key aspects of the software: inventory management, financial accounting and supply chain operations.
- Tech stack: Delphi, SVN, MySQL, Linux

Data Analyst Intern

Bublup

June 2018 – December 2018, McLean, VA

- Tasked with improving techniques to extract appropriate keywords for summarizing an article.
- Analyzed and identified potential enhancements to prototype NLP algorithms to increase accuracy.
- Developed scripts and performed data-driven testing resulting in keywords with 7% better accuracy.
- Tech stack: Python, Git, Jira, Unix

Software Developer Intern

Raj Comics

June 2017 – July 2017, New Delhi, IN

- Developed an automated system for the detection of infringed intellectual property present online.
 - Prepared and sent legal DMCA notices that successfully removed over 9,000 of online copyright-infringed content.
 - Tech stack: Python, SVN, MySQL
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EDUCATION

Master of Science

Minor in Computer Science • New York University • New York, NY • 2022 • 3.83

Bachelor of Technology

Minor in Computer Engineering • Delhi Technological University • New Delhi, IN • 2018 • 3.29

PROJECTS

Christmas Wishlist WebApp

- Developed a distributed and reliable backend in support of a simple social media wishlist-sharing application.
- github.com/sidistic/ds_final

Image Colorization: A Comparative Study

- Studied three state-of-the-art ML models and demonstrated understanding through a comparative analysis of custom-picked images.
- github.com/guptaviha/ML-Image-Colorization-Study

Human Detection using HOG

- Classified a test image as Human or Not using HOG feature extraction and KNN clustering against a training set of 20 labeled images.
- github.com/guptaviha/Human-Detection-HOG