

# Niteesh Kanungo

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[Niteeshkanungo.github.io](https://niteeshkanungo.github.io)  
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**Experience** - Google Cloud Certified Professional Data Engineer with 7+ years of experience in Industry/Academia.

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**Senior Data Engineer** – Tempus Labs, Chicago, Illinois.

*December 19 – working*

- Building scalable Data pipelines with AWS+GCP hybrid Cloud infrastructure using Apache airflow + DBT (Data build tool) processing up to 10 TB of data daily.
- Automating operational workloads to assess data completeness in data lake.
- Developing de-identification process/pipelines to remove PHI using AWS Batch and GCP Kubernetes engine at scale.

**Data Engineer** - Uptake, Chicago, Illinois

*Feb 19 – December 19*

- Building end to end Data Infrastructure, ETL processes that feeds 3 live applications featuring Industrial Machine learning feeds with high throughput data on Uptake Platform.
- Working with Data Science and UI developers to build business insights and resource viability for the one of the biggest Electrical companies in Iowa, USA

**Data Scientist** - Bazaarvoice, Austin, Texas, USA

*May 18 – Aug. 18*

- Auto Moderation tool – Developed a Deep Learning (CNN) Model (82% acc.) using Keras, AWS Sagemaker for auto moderation of images, saving on replacement with manual Moderation up to \$92-100k in a year.
- Review Insights – Developed a script using NLTK, Flask-API running on AWS to get insights from thousands of reviews posted on client websites.

**Data Analyst** – Abbott Power Plant, UIFS, Illinois, USA

*June 17 – May 18*

- Creating/Automating dashboards from Data generated by 10,000 data points at the plant.
- Estimating and analyzing the production cost as well as improving efficiency with predictive modeling. Also, calculating emissions with EPA norms.

**Software Engineer** — Blazon Creations Ltd, Indore, MP, India

*June 15 – Dec.16*

- Improved operational efficiency of logistics by 7% of a major Retail company through Inventory Management and analysis of GIS Data.
- A/B testing to decrease churn rate and Improved Web traffic of client's website by up to 20% through Web Analytics, SEO and Web Portal optimizations.

**Computational Biologist** — Eminent Biosciences (EMBS), Indore, MP, India

*Sept.14 – May 15*

- Statistical analysis of Microarray, Next-Generation sequencing data using computational approach, Bioinformatics, and open-source tools.

**Graduate Research Fellow** — Jawahar Lal Nehru University, New Delhi, India

*Dec. 13 – Aug. 14*

- X-Ray diffraction data preprocessed/analyzed using HKL2000 and XDS, collected at source (JNUCAR) and synchrotron (Indus-1,2 and RRCAT) for Drug Design, Protein structure prediction.
- Structure determination by experimental Phasing using CCP4 and Phenix suite, visualization and refinement using Coot (Linux).

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## EDUCATION

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**University of Illinois at Urbana-Champaign Illinois, USA**

*Dec 2018*

- Master's (M.S.) in Information Management. (Teaching Assistant: CS598)

**VIT University, Vellore, TN, India**

*August 14*

- Master's (M.S.) in Bioinformatics and Biotechnology. (Teaching Assistant: BST504, BMG502)

**Christian Eminent College, Indore, MP, India**

*July 12*

- Post Graduate Diploma in Computer Applications

**Institute of Professional Studies (DAVV), Indore MP, India**

*August 11*

- Bachelor's (B.S.) in Computer Science and Biotechnology

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## TECHSTACK

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**Programming Languages:** Python, JavaScript, Scala, and R

**Cloud Tools:** Amazon Web services (AWS) – Redshift, RDS, Batch, Cloudwatch, Lambda

Google Cloud Platform (GCP) – BigQuery, Composer

IAC – Terraform

**ETL Tools:** Apache Airflow and Stream-sets Control Hub

**Machine learning:** Scikit-learn (Python), TensorFlow, Keras.

**Analytical Tools and Libs:** Tableau 9.0, Matplotlib, Bokeh and Pivot Charts.

**Query Languages:** PostgreSQL, MySQL, Oracle SQL Server

**Web development:** Django, CSS, HTML, Bootstrap.

**Data Cleaning:** Open-Refine (Google)

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\*For Certification License, Research Publication and validation please see LinkedIn account.