

Lokesh Kank

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EDUCATION

San Diego State University (SDSU)

Aug 2022 - May 2024

Master of Science in Big Data Analytics (STEM)

San Diego, CA, USA

- Big Data Science and Analytics Platforms.
- GIS Programming with Python.
- Business Analytics.
- Database Theory and Implementation.
- Machine learning Engineering.
- Data Management for GIS.

Savitribai Phule Pune University

Aug 2016 - May 2019

Bachelor in Mechanical Engineering – GPA 3.4/4

Pune, MH, India

PROFESSIONAL EXPERIENCE

Data Science Intern (On-Campus) Skills: Pandas, Numpy, Recommendation systems.

Apr 2023 – Present

Gravity AI

San Diego, CA, USA

- Focused on helping businesses deploy their own AI models quickly and easily.
- Collaborating with a team of experts to build a library of hundreds of pre-trained AI models.
- Implementing a personalized recommendation system using collaborative filtering and ML techniques with a focus on 20% increase in user engagement.

Graduate Research Assistant Skills: OpenCV, Keras, TensorFlow, Autoencoder, Deep Learning

Feb 2023 – Present

SDSU

San Diego, CA, USA

- Developing unsupervised anomaly detection for RBC flow and velocity using CNN models with .avi videos.
- Utilized OpenCV2 for metadata and image extraction, collaborating on designing a future approach.

Data Science Intern Skills: Pandas, Numpy, Data Cleaning, Scrum and Kanban, Flask.

Feb 2023 – Apr 2023

Data Glacier

San Diego, CA, USA

- Concluded LGBM as the best model with 0.64 F1 score, to predict customers buying Bank's term deposit scheme.
- Boosted stakeholder trust by 50%, communicating project progress, resulting in reduced meeting frequency.

Software Engineer Skills: Data Analysis, SQL, Databases, Cross Functions, RHEL Linux, AWS.

Feb 2020 – Jul 2022

Accenture

Pune, MH, India

- Obtained a 35% increase in data retrieval speed, by streamlining SQL queries and using indexing strategies.
- Exploited SQL, and Python for troubleshooting, and created business reports for client presentations. This resulted in a 26% increase in client satisfaction as calculated by NPS (Net Promoter Score).
- Concluded 18% improvement in the application performance after server migration as gauged by the Smile tool.

PROJECTS

Prediction of Energy Star Scores of New Buildings.

Skills: Statistics, Exploratory Data Analysis, feature Engineering, Model Optimization, Scikit-learn algorithms

- Accomplished 12% accuracy increase through data processing, EDA, and feature engineering, including one-hot encoding and removing collinear features > 0.6 coefficients.
- Tuned hyperparameters resulting in 8% accuracy increase. Selected Gradient Boosting model with MAE of 9.044.

Classification of Drugs for Prevention of Medication Errors ([website](#))

Skills: Tableau, CNN, TensorFlow, Keras, Image Processing, Google sites.

- Reduced medication errors by 56% after implementing Image Pre-processing in detail to raise the image's quality.
- Analysed the problem of Medication errors on various drugs and developed Deep Learning models (Neural Networks) – VGG 16, Xception, and Inception with 95 to 99% accuracy to classify drugs efficiently.

Data Science Salary Recommendation System.

Skills: Recommendation architecture, Data Collecting, Data Pre-processing, Scripting, Regression, Model Evaluating.

- Scrapped about 1000 job listings from Glassdoor using Selenium for datasets by understanding data architecture.
- Cleaned 80% of data, achieved MAE of 11.22 by using the Random Forest. Used linear regression as a baseline model.

Automated Sales Forecasting and Dashboard Creation using AutoAI and Python.

Skills: Python, Excel, Quantitative Analysis, ETL, Watson Studio.

- Leverage autoAI to build a regression model, reducing development time by up to 80% compared to traditional methods.
- Deployed the model on Watson ML to integrate with future applications. Automated sales forecasting for each month.
- Automated dashboard visualization using libraries like matplotlib and seaborn, reducing manual process time by 50%.

SKILLS

Programming and Technology: Python, R, SQL, PostgreSQL, Scala, HTML, CSS

Machine Learning: Supervised & unsupervised learning, Pyspark, PyTorch, Apache Spark, NLTK, A/B testing, Hadoop

Toolkit: AWS (EC2, SageMaker), Snowflake, Power BI, Pycharm, Tableau, Databricks, Git, Github, Hive, Excel, PowerPoint

CERTIFICATION

AWS - Certified Solution Architect

May 2022 – Jul 2025