

## Chandana Kolli

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### Summary

Detail-oriented Data Analyst with over 3 years of experience in developing and delivering high-impact data visualizations and reports using tools like Looker, Tableau, and Power BI. Advanced SQL expertise with a strong foundation in data modeling, cleaning, transformation, and analytics. Proficient in translating ambiguous business requests into actionable data solutions. Experienced in Python, statistical analysis, and embedded analytics. Adept at working across cross-functional teams to drive insight-driven decisions in fast-paced environments.

### Technical Skills

**Programming Languages:** Restful API, Python, R, Java, SQL, C, JCL, GitLab, Power BI, Unix  
**Machine Learning:** Linear Regression, SVM, Random Forest, k-NN, Decision Trees, Naive Bayes, PCA, Clustering, AdaBoost  
**CRM Platforms:** Salesforce, HubSpot (basic exposure)  
**Analytics & Tracking Tools:** Google Analytics  
**Microsoft Office:** Excel, Word, PowerPoint, Pivot tables, VLOOKUP table  
**Cloud Platforms:** Azure, AWS, GCP  
**Web Development:** HTML, CSS, XML  
**Automation Tools:** RPA, UI Path  
**Libraries:** NumPy, Pandas, Matplotlib, Seaborn, SciPy, Flask, Simulink, R Shiny  
**CI/CD Pipelines:** Jenkins, Docker, Kubernetes, Terraform, Azure, Ansible  
**Statistical Tools:** SPSS, SAS  
**Database Management:** SQL, NoSQL (Indexing, Optimization, Data Modeling)  
**Data Warehousing:** Snowflake, Minitab  
**Business Intelligence:** Power Bi, Tableau, Business strategy, Looker

### Education

<b>Kent State University, Kent Ohio</b>	Graduated: May 2024
Master of science: Data science	GPA: 3.65/10
<b>Shri Vishnu Engineering college, Andhra Pradesh, India</b>	Graduated: July 2020
Bachelor of Technology: Computer Science	GPA: 8.21/10
<b>A.A.N.M &amp; V.V.R.S.R Polytechnic college</b>	Graduated: Apr 2018
Diploma: Computer Science	Percentage: 95/100

### Professional Experience

<b>INFOSYS LIMITED</b>	Feb 2020– Jan 2023
Data Analyst   Full Time	Hyderabad, Telangana

- Utilized **Python** and **R** for data cleaning, transformation, and exploratory data analysis (EDA), enabling faster and more accurate insight generation.
- Integrated Tableau dashboards with data sources such as Snowflake, SQL Server, Excel, and cloud platforms, ensuring real-time or scheduled data refreshes.
- Collaborated with business users to gather reporting requirements, define KPIs, and deliver scalable dashboards tailored to operational and strategic needs.
- Developed Tableau Server dashboards with user-level permissions and published them for team-wide access and self-service analytics.

- Proficient in Python scripting and Unix/Linux environments for automating data processing, ETL workflows, and system tasks.
- Developed reusable Python modules for data manipulation, cleansing, and transformation across multiple projects.
- Strong command of SQL, including complex joins, CTEs, window functions, and query optimization for large datasets.
- Worked with PostgreSQL and MongoDB, leveraging both relational and NoSQL models to support varied analytical and operational use cases.
- Applied data modeling principles, including normalization for data integrity and denormalization to optimize reporting and read performance.
- Experience with on-premises data infrastructure such as Hadoop, used for batch processing and large-scale data analytics.
- Designed and implemented robust data pipelines for ingesting, processing, and validating high-volume datasets.
- Collaborated with cross-functional teams to ensure data quality, scalability, and efficiency across systems and workflows.

## **MINDTREE LIMITED**

Nov 2019 – Jan 2020

DevOps Intern | Remote

- Developed and deployed enterprise-level web applications using HTML, CSS, JavaScript, and Flask, aligned with Agile sprints.
- Worked on cloud deployment using AWS and basic automation with Azure pipelines, contributing to CI/CD and DevOps practices.
- Assisted in the development and debugging of internal mobile applications, ensuring cross-platform compatibility and usability.
- Developed automated CI/CD pipelines using Jenkins, terraform and Git for cloud-based application deployment and version control.
- Worked on containerizing applications using Kubernetes and assisted with basic AWS service deployment for internal projects.
- Utilized Salesforce CRM data in reporting pipelines to extract customer insights and improve campaign performance.

## **Projects & Workshops**

### **Cancer Cell Identification Model**

Jan 2020

- Developed a model that helps in identification of Cancer cells inside the body without any implantation problems.

### **Intelligent Alcohol Detector**

Nov 2017

- Built a model using IOT and sensors to avoid accidents due to dizziness of driver and heavy alcoholic consumption.

### **Location-Based Vehicle Delivery Insights**

Oct 2020

- Designed dashboards to track vehicle delivery metrics using geospatial data [Alteryx], integrating Power BI and SQL for actionable insights.

### **Stock Market Prediction**

Dec 2023

- Built time-series models (ARIMA, Prophet) in R to forecast stock trends and inform trading strategies.

### **Automated classification of Harmful brain activity patterns in EEG signals**

jan 2024

- Integrates multi-channel EEG signals into image representations to enhance seizure detection using a RNN.

### **Customer Behavior Analysis Using HDFS and MapReduce**

Apr 2024

- To analyze large-scale e-commerce transaction data to extract actionable insights on customer behavior, sales trends, and product performance using the Hadoop ecosystem.

### **Certifications**

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- Coursera – Introduction to Programming, Machine Learning, AI ForEveryone
- Infosys - Machine Learning A-Z™: Hands-On Python & R In Data Science
- Automation Anywhere: Advance RPA(Robotic Process Automation) Professional
- APSSDC – ARC (Applied Robotic Control)