

# THANAY GEESHPATHY NARAYANAMURTHY

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## EDUCATION

**University of Massachusetts Dartmouth**, *Dartmouth, MA – USA*  
Master of Science (MS) – Data Science | **GPA: 4.0**

September 2022 - May 2024

**Dayananda Sagar College of Engineering**, *Bengaluru, KA – India*  
Bachelor of Engineering (BE) – Electronics and Communication (ECE)

August 2014 - Jan 2019

## PROFESSIONAL EXPERIENCE

### Data Engineer | **INDEGENE**

Jan 2022 - Aug 2022

*Bengaluru, KA - India*

- Analyzed **EHR** and **pharmacy claims data** for 100+ patients to understand drug effectiveness.
- Used **Python**, **SQL**, and **Tableau visualizations** to optimize sales data delivery by 33% on **Dataiku** and **Snowflake**.
- Developed **Tableau** dashboards to aid sales in targeting HCP writers, boosting sales by 6%.
- Enhanced content origination **ETL pipelines**, increasing content volume by 18%.
- Automated data sourcing to **AWS S3** and **Athena**, reducing process time by 10% with **Airflow**.
- Built sales **prediction models** for a \$60M acquisition in eye care products.

### Associate Product Manager | **FINFLUX**

Jan 2022 - Aug 2022

*Bengaluru, KA - India*

- Led a team of 10 using **Agile** project management approach.
- Used **customer analytics** to cut change requests by 15%.
- Improved customer satisfaction by 25% by defining and tracking key metrics using **Metabase**.
- Streamlined internal communication and documentation, reduced employee training times by 50% using **Confluence**.
- Slashed monthly support requests by 30% on **Freshdesk**.

### Data Engineer | **FINFLUX**

Feb 2019 - Dec 2021

*Bengaluru, KA - India*

- Engineered **Loan Management System** workflows, cutting costs by 14% for clients.
- Automated deployments with **Jenkins**, reducing maintenance by 5%.
- Optimized **MySQL** scripts, boosting backend performance by 25%.
- Automated **API** calls and data transformations with **Pentaho**, scaling loan services by 10x.
- Managed **AWS** infrastructure, **EC2**, **RDS** and **CloudWatch**, reducing downtimes by 15% and incident response times by 12%.
- Modeled **data warehouse** for 5% loan provisioning using **PostgreSQL** and **AWS Redshift**.

## TECHNICAL SKILLS

### Languages:

Python, R, C++

### Cloud and Databases:

AWS – [DynamoDB, S3, Athena, RDS], MySQL, MongoDB, PostgreSQL, Cassandra, Neo4j, Snowflake

### AI and Machine Learning:

PyTorch, Transformers, LLMs - finetuning and API integration, AWS – SageMaker, Pinecone, Langchain

### Web and DevOps:

HTML5, CSS3, REST, d3.js – JavaScript, Flask, Django, AWS – EC2, Git, Kubernetes, Docker, Jenkins – CI/CD

### ETL and Visual Analytics:

Tableau, Power BI, AWS – [Redshift, Glue, EMR, Quicksight], Metabase, Dataiku-DSS, Pentaho Kettle, Kafka, Airflow

### Others:

JIRA, Confluence, MS Excel, UNIX, Statistical Analysis, Hypothesis Testing, AB Testing

## ACADEMIC PROJECTS

### Gravitational Wave parameter estimation using Neural Networks [Python, SVD, GPU Computing, Neural Networks]

- Parameter estimation using neural posterior estimation to make fast inferences.

### Spotify Playlist Enhancer [Python, Machine Learning, Flask, HTML, CSS, Flask, Recommendation System]

- Created a webpage and **recommendation system** that takes a Spotify playlist link from user and generates up to 30 songs.

### Face recognition using eigenfaces [Python, Machine Learning, Numpy, Pandas, MATLAB, OpenCV, CuPy, Numba, PCA]

- Built a facial recognition program using principal component analysis (PCA) dimensionality reduction.

### Player Position Predictor [R, Machine Learning, KNN-clustering, LDA]

- Implemented ML models KNN-clustering and linear discriminant analysis (LDA) for a prediction with 90% accuracy.