

Nithin Cherukumalli

+91 8919288376 | cherukumallinithin@gmail.com | [linkedin.com](https://www.linkedin.com) | github.com

EDUCATION

Sathyabama Institute of Science and Technology

Bachelor of Engineering in Computer Science

Chennai, Tamil Nadu

Aug. 2021 – May 2025

Sri Vishwasanthi Institutions

Higher Secondary Education (11th, 12th)

Vijayawada, Andhra Pradesh

Jun. 2019 – Mar. 2021

RELEVANT COURSEWORK

- Core Machine Learning
- MLOps
- Generative AI
- Deep Learning
- Data Analysis
- Cloud Computing

EXPERIENCE

Bharat Intern

Remote

Data Science and Machine Learning Intern

Dec. 2023 – Feb. 2024

- Developed spam detection algorithms using advanced natural language processing (NLP) techniques, achieving 95% classification accuracy and significantly reducing unsolicited messages.
- Streamlined machine learning workflows by integrating MLOps tools like Docker, MLflow, DVC, and Airflow, resulting in a 50% improvement in automation and monitoring efficiency.

Meriskill

Remote

Data Analyst Intern

Jan. 2024 – Feb. 2024

- Evaluated 5,000+ patient records to extract insights on demographics, treatment efficacy, and outcomes, aiding data-driven decision-making in diabetes healthcare.
- Examined HR datasets covering 1,000+ employees to identify a 20% turnover rate and key factors affecting job satisfaction, enhancing workforce strategy.

PROJECTS

Supply Chain Optimization | Python, ML, AWS, Airflow, DVC, MLflow, MongoDB, Docker Nov 2024 – Dec 2024

- Developed an automated supply chain optimization system by leveraging advanced machine learning algorithms, enhancing operational efficiency and optimizing cost management processes
- Built modular, reusable pipelines with CI/CD automation (Docker, GitHub Actions) and artifact tracking (MLflow, DVC).
- Deployed on AWS (S3, EC2, ECR) and orchestrated workflows with Apache Airflow, reducing manual effort by 80%.

Retail Price optimization | Python, ML, Zenml, PostgreSQL, Docker, Git

Sep 2024 – Oct 2024

- Engineered a machine learning-based retail price optimization model to maximize profitability and market competitiveness .
- Leveraged ZenML to orchestrate workflows, ensuring reproducible and scalable pipelines.
- Applied advanced design patterns such as Factory and Strategy, reducing code redundancy by 30%.

Telecom Customer Churn | Python, ML, Airflow, PostgreSQL, Docker, Git

Sep 2024 – Oct 2024

- Implemented a high-accuracy machine learning model to predict telecom customer churn, improving retention strategies.
- Achieved 90% prediction accuracy by applying hyperparameter tuning and cross-validation for optimal model performance.
- Deployed the churn prediction model in a scalable environment using Docker, enabling seamless integration into existing infrastructure.

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML/CSS

Frameworks: TensorFlow, PyTorch, LangChain, Docker, Airflow

Databases: MySQL, MongoDB

Tools: GitHub, VS Code, Eclipse, Google Colab

Operating Systems: Windows, Linux, Mac OS