

# MILIND MANOJ KULGOD

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## ACADEMIC QUALIFICATION

University of Texas at Arlington, Arlington, Texas, USA

(May 2021)

Master of Science - Computer Science and Engineering (GPA: 3.75/4.0)

Nitte Meenakshi Institute of Technology (NMIT), Bengaluru, Karnataka, India

(May 2019)

Bachelor of Engineering - Information Science and Engineering (CGPA: 8.73/10)

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## TECHNICAL SKILLS

- **Software:** Git, Postman, Jira, puTTY, PowerShell, Redux Tools, Docker, Kubernetes, ArgoCD, Linux
- **Languages:** Go, Java, Spring boot, Python, numPy, pandas, Django, Flask, RESTful APIs, CSS, HTML, React, Angular, NodeJS, JavaScript, Shell Scripting
- **Database Technologies:** MySQL, MongoDB, SingleStore, Firebase, PostgreSQL, Hive, Apache Druid
- **Technologies:** Big Data, Data Analytics, IoT, Machine Learning, Tensorflow, PyTorch, Keras, AWS

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## WORK EXPERIENCE

Software Developer - ITVision360 Inc, USA

(January 2024 – Present)

- Created an employee management system using React for the front end, **NodeJS** and **Python** for the backend, and **MySQL** for the database.
- Transformed a monolithic application into multiple microservices in **NodeJS** and **Python**, enhancing maintainability and achieving **85%** code coverage.
- Developed an Employee Self Service portal enabling leave applications, service requests, and report generation, aiming to reduce HR processing time.

Software Developer - Tata Consultancy Services, USA

(August 2021 – January 2024)

- Engineered a mock eCommerce application to resolve performance issues using **Java**, **Oracle SQL**, **Angular**, **Python**, and **JavaScript**, improving checkout process speed by **38%**.
- Collaborated with **Verizon** to develop and maintain a critical application for automating cell tower configurations using **MERN** stack, optimizing network performance by **80%** during downtimes.
- Led an application refactoring project, enhancing database performance by **40%** through strategic database changes.
- Analyzed user data for **Verizon** applications, enhancing network maintenance plans to improve call quality metrics by **38%**

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## ACADEMIC/RESEARCH PROJECTS

Movie Genre Prediction Model (Python, Machine Learning - Naive Bayes, Support Vector Machines)

- Implemented and compared 5+ machine learning algorithms for movie genre prediction with keyword datasets.
- Optimized a **Linear Regression** model to achieve an impressive **86%** accuracy in genre prediction.

Pharmacy Search Engine and Image Captioning Module (Python, Flask, Machine Learning and Attention Networks)

- Prioritized **Naive Bayes** classification for **sentiment analysis** and **Neural Networks** for caption generation.
- Enhanced medication accessibility and potentially powering personalized recommendations with **76%** accuracy.

Autism Detection using Machine Learning (Python, numPy, Pandas, HTML, CSS, MS Excel, Jupyter Notebook)

- Developed a machine learning model for autism diagnosis.
- Implemented efficient algorithms like **Linear Regression** and **KNN** and data analysis techniques for accurate classification, achieving an accuracy of **78%**.
- Designed a user-friendly interface for both doctors and parents to assess potential autism symptoms.
- Optimized model for cost-effectiveness and reduced time to diagnosis by **25%**.

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## CERTIFICATIONS

- 'The Complete Machine Learning Course with Python' by Codestars on Udemy.
- SAgile certification by Scaled Agile.
- AWS Cloud Practitioners Essentials Certification.