

# 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:** C, Java, Springboot, Python, Django, Flask, SQL, 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, 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**, **Node**, 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%**.

**Intern - Quess Corp Limited, Bengaluru**

**(June 2018 – August 2018)**

- Designed an interactive chatbot to reduce internal issue escalation time by **15%**, enhancing customer support efficiency.
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## ACADEMIC/RESEARCH PROJECTS

**Movie Genre Prediction Model (Python, Machine Learning)**

- Implemented and compared 5+ machine learning algorithms (**Naive Bayes**, **Support Vector Machines**) 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 **Attention models** 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.
- SAAFe Agile certification by Scaled Agile.
- AWS Cloud Practitioners Essentials Certification.