MILIND MANOJ KULGOD

Contact: +1(469)-487-3183 | Email: milindkulgod97@gmail.com
LinkedIn: www.linkedin.com/in/mkulgod | Portfolio: https://milindkulgod.vercel.app

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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)

TECHNICAL SKILLS

- **Software:** Git, Postman, Jira, puTTy, PowerShell, Redux Tools, Docker, Kubernetes, ArgoCD, Linux, RabbitMQ, J2EE
- **Languages:** C, Java, Springboot, Python, Django, Flask, SQL, CSS, HTML, React, Angular, NodeJS, JavaScript, Shell Scripting
- **Database Technologies:** MySQL, MongoDB, Snowflake, Firebase, PostgreSQL, Hive, Apache Druid
- **Technologies:** Big Data, Data Analytics, IoT, Machine Learning, Tensorflow, Keras, AWS, Google Cloud Platform

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WORK EXPERIENCE

Software Developer - *ITVision360 Inc, USA*   **(January 2024 – Present)**

- Designed and developed an employee management system using **Node, React, JavaScript,Python, and SQL** for seamless functionality.
- Built scalable applications leveraging **GCP Cloud Services, Microservices architecture, Oracle**, and **Unix/Linux** systems.
- Ensured quality through **GIT** version control, automated testing with **Cucumber**, and performing Regression, Unit, and User Acceptance Testing.
- Monitored and optimized system performance using **Splunk** and adhered to best practices in application architecture disciplines.

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%**.

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%**.

CERTIFICATIONS

- GCP Associate Cloud Engineer Certification.
- SAFe Agile certification by Scaled Agile.
- AWS Cloud Practitioners Essentials Certification.