Mangesh Shravan Damre

Master of Technology in Information Technology
Indian Institute of Information Technology, Allahabad
Portfolio GitHub LinkedIn

Email: mangeshdamre2001@gmail.com
Phone: +91-7709953889

Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2023 - Present	Master of Technology (Information Technology)	Indian Institute of Information Technology, Allahabad	7.49/10
2019 - 2022	Bachelor of Engineering (Information Technology)	Prof. Ram Meghe Institute of Technology and Research, Amravati	9.21/10

Professional Experience

- **Software Developer, LTIMindtree** (*July 2022 - August 2023, Mumbai*)
  - **Scania, Sweden**
    - Led the integration of Salesforce platforms like MuleSoft Anypoint and Boomi Atmosphere for Scania, handling API integration and streamlining data flows across multiple systems.
    - Configured and deployed Mule files in Mule ESB environments, integrating data from more than 50 sources into centralized databases, reducing data retrieval times by 20
    - Proficient in C, C++, and Java, applied best software development practices to ensure efficient performance and scalable architecture.
    - Implemented SQL databases (Db2, PostgreSQL, MySQL, Oracle, SQL Server) for data management, enhancing data access by 30
    - Worked with Docker, Kubernetes, and cloud platforms (IBM Cloud, AWS, Microsoft Azure) to ensure smooth application deployment and reduce downtime by 15
    - Developed and tested APIs using Git and Perforce for version control, improving development cycle efficiency by 25

M.Tech Thesis

- **Multi-Level Hate Speech Detection(Marathi)** (*Ongoing*)
  Guide: Prof.Vrijendra Singh
  - Developed a multi-level hate speech detection model to identify online behaviors such as hate speech, sexism, and cyberbullying in code-mixed, multilingual, and low-resource languages.
  - Utilized MuRIL and fine-tuned it specifically for detecting harmful content in under-represented languages.
  - Built a processing pipeline for handling complex datasets, implementing models such as BERT and integrating knowledge graphs for contextual understanding.
  - Applied hyperparameter tuning techniques to optimize model performance, achieving significant improvements in two-class and four-class classification accuracy.
  - Incorporated explainability methods like LIME to interpret model predictions, ensuring greater transparency.
  - Achieved high accuracy for detecting harmful content, with future work focusing on real-time detection and integrating security aspects.

Key Projects

- **LearnSphere Ed-Tech Website** (*2023*)
  Guide: Prof.Vrijendra Singh
  Technologies: Node.js, Express.js, HTML/CSS, MongoDB
  - Developed an interactive educational platform designed to enhance online learning experiences.
  - Integrated MongoDB for efficient user data management and secure server-side operations with Node.js and Express.js.
- **Drowsy Driver Detection System** (*2024*)
  Technologies: Python, OpenCV, Dlib
  - Analyzed facial landmarks and tracked eye movement patterns to detect signs of driver drowsiness.
  - System triggers an alert through an alarm, notifying the driver to take necessary actions, such as pulling over for rest.
  - Utilized shape predictor 68 face landmarks data to track real-time facial features.

Skills

- **Programming Languages:** C, C++, Core Java
- **Database:** MySQL, MongoDB
- **Version Control:** GitHub, Perforce
- **Web Development:** HTML, CSS, React, Node.js
- **API Testing:** Postman
- **Integration:** MuleSoft, Boomi

Certifications

- **Boomi AssociateDeveloper**
- **Boomi Professional Developer**
- **Mulesoft Developer Level 1**

Awards

- **Best Helping Hand (LTIMindtree 2022)**: Recognized for teamwork and support.
- **Best Small Actor (2009)**: Dr. Panjabrav Deshmukh State Level Drama Competition.