

# ARUN TOTAD

(269) 267-8759 | arun.totad@wmich.edu | Kalamazoo, MI - 49006

## EDUCATION

Master of Science in Computer Science  
Western Michigan University, Kalamazoo, MI

Expected: December 2025  
GPA: 3.7/4.0

Bachelor of Engineering in Computer Science & Engineering  
The Oxford College of Engineering, India

August 2020  
CGPA: 8.0/10.0

## TECHNICAL SKILLS

Programming: Java, Python, JavaScript, C  
Operating Systems: Windows, Linux, Mac  
IDE: PyCharm, Eclipse, Spyder, Visual Studio  
Graphic Software: Adobe XD, Photoshop, After Effects

Web Technologies: HTML5, CSS3, PHP  
Framework: Spring Boot, Angular  
Microsoft Word, Excel, PowerPoint  
Database: MySQL

## WORK EXPERIENCE

**Senior System Engineer, Infosys, Bangalore - India**

**Mar 2022-Nov 2023**

- Engaged as an **Associate Software Developer** at National Broadband Network (NBN), an Australian data network company, developed and optimized **JavaScript** and **Java** components for an enterprise-level web application with agile practices.
- Involved in the design and development of code functionalities for autonomous monitoring of the application, and autonomous incident-handling feature for troubleshooting by end users.
- Engaged in improvement of the graphical user interface dashboard for standalone operators.
- Utilized **Postman**, performed unit and end-to-end testing for each developed functionality.
- Professionally maintained source code in **GitHub** with structured commits, branching, and merge strategies.
- Addressed and resolved **merge conflicts** with fellow developers during git push of new functionalities.
- Collaborated with team-lead, architects, product manager, and stakeholders to improve designs of each functionality.

**System Engineer, Infosys, Bangalore - India**

**Sept 2021-Feb 2022**

- Served as an **Operational Support Engineer** at NBN, with **DevOps** practices to maintain health of the application using **AWS** services.
- Worked on production incidents resolving cross-application issues by analyzing logs in **Splunk** within required deadlines.
- Implemented **Cron job batch scheduling** for functionalities requiring daily execution.
- Performed production (Blue/Green) deployments for major releases occurring periodically using the **Jenkins** platform.

**Engineer Trainee intern, Infosys, Bangalore - India**

**Mar-Aug 2021**

- Trained in **Java full-stack web application development**.
- Gained experience building an enterprise-level capstone e-commerce project with a team of four, upskilling in **Java, JavaScript, MySQL, HTML5, CSS3**, and **REST API calls**.
- Project was implemented using **Angular** framework for the front-end and **Spring Boot** for the backend.
- With **RESTful** API integration, facilitated efficient protocol for data communication between layers.

## OTHER WORK EXPERIENCE

### ***Student Manager, Western Michigan University, Kalamazoo - USA***

**Jan 2024 - Feb 2025**

- Began as a student employee at the Student Dining Center.
- Promoted to Student Supervisor within 6 months for initiative and leadership qualities.
- Promoted to Student Manager for extensive involvement in business and leadership qualities.
- Responsible for managing student employees to ensure efficient, high-quality services.
- Oversee smooth shift transitions while enhancing customer dining experience with team workflow.

## ACADEMIC PROJECTS

### ***Twitter Sentiment Analysis, Masters, USA***

**Aug-Dec 2024**

- Designed and implemented a Python Machine Learning Model to evaluate statement with sentiment analysis as part of *Big Data Analysis Using Python* project
- Using Logistic Regression model, analysed 1.6 million twitter statement datasets with accuracy of 84%.

### ***TCP/IP Client-Server Interaction, Masters, USA***

**Aug-Dec 2024**

- Designed and implemented a TCP/IP server-client in C and executed on a Linux machine.
- Server reads hexadecimal data from clients on a port, converts bytes to integers, and writes on server.
- Implemented error handling for server/client availability, with multiple client's interaction.

### ***Building Unix Shell, Masters, USA***

**Aug-Dec 2024**

- Implemented a simple Unix shell in C that can interpret and execute basic shell commands.
- Developed a foundational understanding of process management and inter-process communication in Unix-based shell scripting.
- Shell could handle basic system calls like `fork()`, `exec()`, `wait()`, and input/output redirection.

### ***Face Recognition with Eye-Blink Detection, Masters, USA***

**Jan-Apr 2024**

- Implemented face recognition with eye-blink detection as part of an Artificial Intelligence project.
- With Fisher Face machine learning model, implemented a python application interface.
- Integrated eye detection to enhance facial detection accuracy and mitigate spoofing risks.
- Employed PYQT and OpenCV Python libraries to develop a GUI for training and testing the model.

### ***RAG Meta-Evaluation Chatbot, Masters, USA***

**Jan-Apr 2024**

- Developed a RAG Meta-Evaluation Chatbot as part of a Machine Learning course.
- Created a chatbot that accepts PDF input and provides response based on given criteria for evaluation.
- With Natural Language Processing as Ollama, and Chainlit for user interaction, build the code using python language.

## AWARDS AND ACHIEVEMENTS

- Awarded the *Special Contribution Award* by NBN and Infosys for optimizing code and reducing costs (Q1 2023).
- Received the *Rise Gory Award* with promotion to Associate Developer for exceptional incident resolution (Q4 2021 & March 2022).