

# AKSHAYA REDDY CHIDURUPPA

[in www.linkedin.com/in/akshayach](https://www.linkedin.com/in/akshayach) | [573-647-3991](tel:573-647-3991) | [akshaya.chiduruppa@gmail.com](mailto:akshaya.chiduruppa@gmail.com)

## Skills

- Python | MATLAB | Java | C++ | C | Jupyter | Pandas | NumPy | PostgreSQL | MongoDB | NoSQL | Bash | Postman | Oracle Database
- HTML | CSS | JavaScript | ReactJS | PHP | jQuery | MVC | XML | JSON | Webpack | Bootstrap
- Azure | AWS | Cloud Computing | Docker | Linux | Git | CI/CD | OOP | Debugging | Dev Ops | Big Data
- ALM | Postman API | JIRA | Azure DevOps TFS | PeopleSoft | ServiceNow | UI testing | End to end testing

## Experience

**Graduate Teaching Assistant**      **Missouri University of Science and Technology**      *Rolla, MO, USA*      **08/2023 - 05/2024**

- Skilled in MATLAB, with a demonstrated capability in the areas of data analysis, modeling, and simulations.
  - Provided one-on-one tutoring and academic support to students, helping students achieve better grades.
- Graded assignments, exams, and projects in a fair and timely manner, maintaining accurate records.
- Streamlined course content by **utilizing data-driven insights**, resulting in a **40% decrease in content redundancy** and a **25% improvement** in overall course effectiveness.
  - Teamed up with professors to design and implement MATLAB-based assignments and grading rubrics, resulting in a 25% reduction in grading time and increased consistency in evaluation across multiple sections.

**Software QA Associate**      **NTT DATA Global Delivery Services**      *Bangalore, INDIA*      **02/2021 - 07/2022**

- Conducted comprehensive **testing of a hiring tool** encompassing the entire recruitment process, including offer creation, compensation details, approval workflows, and offer letter generation.
- Conducted comprehensive **testing of a complex global tracking system**, serving as a web application for employees to fill their timesheets.
- Proficient in directing and executing thorough testing of web applications, identifying, and resolving critical bugs.
- Experienced in **optimizing testing efforts**, providing accurate estimates and timelines, and **increasing sprint deliverables by 30%** within agile environments.
- Skilled in conducting rigorous **end-to-end testing** across various components, resulting in a **40% reduction in post-release defects**.
- Introduced daily **task tracking systems** to improve **work efficiency by 40%**.
- Spearheaded implementation of BDD test case framework, enhancing **test case execution efficiency by 25%** and reducing time spent on test case creation and **maintenance by 20%**.

**Student Intern**      **Bharat Heavy Electricals Limited (B.H.E.L)**      *Hyderabad, INDIA*      **12/2018 - 01/2019**

- Explored applications of Programmable Logic Circuits (PLC) and Computer Numerical Controls (CNC), gaining practical insights into programming drivers and circuits for industrial machines.
- Conducted thorough research and analysis on radiation emission and susceptibility techniques, aimed at mitigating electromagnetic interference and ensuring system compatibility.
- Acquired practical insights into techniques for minimizing electromagnetic interference, enhancing system reliability and performance.

## Education

**Master of Science**      **Missouri S&T University**      *Rolla, MO, USA*      **08/2022 - 05/2024**

- Major in Computer and Information Science

## Projects

- **ABRPA Development:** Implemented ANT-Based Routing Protocol Algorithm (ABRPA) in **Python**, achieving 90% similarity with referenced research.
- **Bus Tracking Innovation:** Led **Arduino**-based system implementation for real-time bus tracking via Bluetooth beacons, cutting GPS infrastructure costs.
- **Road Safety Solution:** Implemented **sensor technology** for detecting road hazards, aiming for a 30% reduction in accidents and vehicle damage.

## Mentorship

- **DBMS Grader:** Provided mentorship and support to students as a grader for Database Management Systems coursework.
- **Summer Camp Counselor:** Mentored and guided camp attendees, fostering personal growth and development in a supportive environment.

## Awards & Others

- **STAR Performance Award Recipient:** Recognized in the Clients first category for outstanding performance.
- **Merit Certificate for Academic Excellence:** Achieved top grades and consistent academic performance as an undergraduate.
- **2nd Place in Problem-Solving Contest:** Secured 2nd place in a competitive contest at a prestigious symposium, demonstrating analytical skills and collaborative problem-solving abilities.