

# Joshila Gubbala

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## EDUCATION

- **Western Illinois University** **Macomb, IL**  
**Master of Science in Computer and Science Information, CGPA: 3/4**  
**2022 - Present**  
**Graduate Coursework:** Computer Networks, Computer and info Security, Computer Architecture, Artificial Intelligence, Advanced AI, Intensive Programming, Computer Graphics, Advanced Computer Networks
- **Arizona State University** **Tempe, AZ**  
**Master of Science in Information Technology, CGPA: 3.5/4**  
**2021**  
**Graduate Coursework:** Principles of Computer, Advanced Database Management, Natural Language Processing
- **St. Martin's Engineering College** **Hyderabad, IND**  
**Bachelor of Technology in Computer Science Engineering, CGPA: 3.3/4**  
**2016 - 2020**  
**Graduate Coursework:** #C, C++, Data Structures, Object Oriented Programming through Java, Database Management System, Operating Systems, Business Economics and Financial Analysis, Data Communication and Computer Networks, Software Engineering, Design and Analysis of Algorithms, Design Patterns, Data Mining, Python, Cloud Computing, Web Technologies, Modern Software Engineering.

## TECHNICAL SKILLS

- **Languages:** Python, C, C++, Java, SQL, NoSQL, Go, HTML5, CSS, PHP, React.js, CouchBase
- **Packages:** NumPy, SciPy, Pandas, Scikit-Learn, TensorFlow, Keras
- **Operating Systems:** Windows, macOS, Unix/Linux
- **Tools:** SQLDeveloper, Docker, Wireshark
- **IDE Tools:** Visual Studio Code, Atom, Jupyter, Sublime. NotePad++, PyCharm, Tableau

## PROJECTS

- **Malaria Detection from Cell Images using CNN (Convolutional Neural Network)** **Spring 2022**
  - Dataset consisted of 27,558 cell images of both infected and uninfected cells for accurate results.
  - Developed a sophisticated system using Python, OpenCV, Scikit-learn, and Keras with exceptional accuracy.
  - Provided detailed insights into model's architecture and accuracy metrics, showcasing the effectiveness of CNN.
- **College Management** **Fall 2021**
  - Created a system to transform college administration through efficient tracking and insightful reporting of college activities.
  - Designed a powerful database using ORM models and SQL queries with additional constraints and triggers for data accuracy and consistency.
  - Integrated NoSQL database management with CouchBase for high scalability and performance.
- **Virtual Mouse Implementation Using Open CV** **May 2020**
  - Introduced a revolutionary system that empowers users to interact with their computers using hand gestures - a virtual mouse eliminating the need for traditional hardware.
  - Utilized camera-based hand tracking technology for an intuitive and natural user interface.
- **Apartment Management System** **December 2019**
  - Developed a custom website using Bitbucket, Django, CSS, JavaScript, HTML, MySQL, and Python.
  - Revolutionized the event planning process by empowering tenants to generate polls and vote for events.

## CERTIFICATIONS

- **Walmart Advanced Software Engineering virtual experience program on Forage** **Summer 2023**
  - Gained expertise in advanced data structures, software architecture, relational database design, and data munging.
  - Equipped with the skills to design efficient systems and complex data handling.
- **J.P. Morgan Software Engineering virtual experience program on Forage** **Summer 2023**
  - Acquired practical expertise in integrating stock price data feeds, leveraging J.P. Morgan Chase & Co. frameworks and tools, effectively visualizing data for traders.
- **Tata Data Visualisation virtual experience program on Forage** **Summer 2023**
  - Proficient in impactful data visualization using Tableau, creating impactful visual representations.
  - Skilled in selecting appropriate techniques and leveraging design principles for storytelling through data.
- **Python 101 for Data Science by IBM** **Spring 2023**
  - PY0101EN Certificate

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