

# BHAVANI KONGARI

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**Objective:** Motivated Graduate Student in Applied Computer Science seeking an internship or full-time role to apply expertise in software development, data analysis, and problem-solving. Passionate about creating impactful solutions through innovation and teamwork.

## Projects:

### Sentiment Analysis Microservice

- Built a microservice to predict user emotions from text and redirect users to mood-based webpages.
- Applied sentiment analysis to suggest personalized activities, enhancing user engagement.

### Automatic Scrolling by Color Detection

- Developed a contactless scrolling system using real-time color detection.
- Improved accessibility and enabled hands-free screen navigation.

### Blockchain in Forensic Evidence Management

- Designed a Hyperledger Fabric-based framework for secure forensic data tracking.
- Ensured transparency and tamper-proof digital chain of custody.

### Pollution Detector iOS App

- Created an iOS app to assess Air, Water, Land, and Noise pollution levels.
- Displayed results, alerts, and eco-advice to promote environmental awareness.

### Bearcat Wellness App

- Developed a cross-platform mobile app (Android & iOS) for NWMSU students to easily access university wellness services.
- Implemented using React Native and Firebase for real-time data handling and user authentication.

### Heart Disease Risk Prediction

- Built a machine learning model to predict heart disease risk using clinical, lifestyle, and demographic data.
- Optimized model performance through effective feature combination and data preprocessing.

## Publications and Presentations:

- “The Rise of Agentic AI: A Review of Definitions, Frameworks, Architectures, Applications, Evaluation Metrics, and Challenges”, future internet on Sep 4<sup>th</sup>, 2025. [Click here to see](#)
- “AUTOMATIC SCROLLING BY COLOR DETECTION”, INT-JCSE, 2023. [Click here to see](#)
- “AN IMPLEMENTATION OF BLOCK CHAIN TECHNOLOGY IN FORENSIC EVIDENCE MANAGEMENT”, INT-JCSE, 2024. [Click here to see](#)
- Research paper on “Enhancing User Authentication in iOS apps”, study on providing a solution for security of iOS apps using Multi-Factor Authentication

Contact: [LinkedIn profile](#), [GitHub](#), [Portfolio](#)

## Education:

Masters in Applied Computer Science in Dec 2025. GPA-4.0/4.0

Bachelors in Computer Science in May 2024. GPA-8.8/10

## Company: Maruti Cortex Ltd, India

### Role: Software Intern

3 Dec 2023 - 3 May 2024

During my final semester of my bachelor's degree in India, I completed an internship where I focused on:

- Developing and maintaining Python scripts.
- Working with SQL commands to query, manipulate, and analyze data in a data warehouse, enhancing my ability to manage and interpret large datasets.
- Engaging in Agile methodology by attending daily scrum meetings and completing assigned tasks within sprints.
- Maintaining version control using GitHub.

**Technologies:** Python, SQL, GitHub, Jira, HTML, CSS

- Through this internship, I gained hands-on experience with Python and SQL, along with other valuable technical and collaborative skills.

## University: Northwest Missouri State University

### Role: Graduate Assistant

- for course **Theory & Implementation of Prog Lang** for Professor Dr. Aziz Fellah. 20 August 2025
- for course **Advanced Topics in Database Systems** for Professor Dr. Keli Cheng. 20 August 2025
- for course **Project Management** for Professor Dr. Aziz Fellah. 19 May 2025 - 24 June 2025
- for course **Advanced Topics in Database Systems** for Professor Dr. Keli Cheng. 10 Jan 2025 - 5 May 2025

### Responsibilities:

- Assisted professors in preparing course materials, grading assignments, maintaining grade records, conduct help sessions for students, resolving course-related queries, and proctoring exams and in-class activities.

**Certificates:** AWS (Amazon Web Services), Python & Java Programming (Newton School), Full Stack Development, IoT & Cloud Computing (NPTEL), SQL & Python (HackerRank), Coding Ninja Competition (5th Rank, 2022).

### My Skills:

Programming: Python, Java, C++, C, Swift, SQL

Web Tech.: HTML5, CSS3, JavaScript, PHP, Bootstrap, XML

Databases: MongoDB, MySQL, Oracle SQL Developer

Tools: VS Code, PyCharm, Xcode, GitHub, Jira, Power BI

OS: Windows, macOS, Linux

### Presentations:

- Technical seminar presentation on “Blue Brain Technology”, at Sreyam 2k23-Conference Technical, Hyd, India.
- Poster presentation on “INTELLIGENT BIONICS”, at MINK-WIC 2025 Conference, Kansas, USA.