Madhava Reddy Vempalli Mugenna Gari

https://vmmadhavareddy.github.io

Email : madhavareddy@asu.edu
Mobile : +16025701103

Education

Arizona State University — Tempe, Arizona
Master of Science in Computer Science — *Aug 2023 - Aug 2026*

Indian Institute of Technology (BHU) Varanasi — Varanasi, India
Bachelor of Technology in Computer Science and Engineering; CGPA 8.36/10 — *Jul 2017 - May 2021*

Experience

Addverb Technologies — Noida, India
Software Engineer (Graduate Engineer Trainee) · — *Aug 2021 - Jul 2022*

- Developed real time operations functionality and API development that increased the systems overall scope and data statistical analysis
- performed RCA's for the discrepancies of the system and fixing core issues which reduced customer's issues by 50 percent
- Interacted with various teams to get to know the scope of development and implemented it accordingly by guiding relevant teams to align with current development
- Worked extensively with Spring boot framework and MySQL

Samsung Research and Development Institute — Noida, India
Software Developer Intern · — *May 2020 - Jun 2020*

- Worked on transformer-based pre-trained models for dense captioning videos
- Used a bi-modal-transformer pretrained model, which takes both audio and videos as features from sample videos for dense captioning of respective events in videos

Projects

Overlapping Community Detection

- General community detection algorithms for a complex network often yields disjoin communities, but in reality communities are overlapping, we tried to detect these communities in this project
- We mainly used flow based tolerance rough set theory to determine overlapping communities with a Multi Objective Community detection fitness function

Supermarket Management

- Created a management website using spring MVC for general retail shops, where we can track and manage the details of stocks brand, invoice, expenses, employees, customers details, discounts using DBMS

Breast Cancer Classification

- Used various Machine Learning Techniques on standard BreakHis Dataset and optimized the hyperparameters to yield effective and accurate output
- designed a web application which takes a biopsy image as input and returns Malignant or Benign using various Feature Extraction Techniques

Programming Skills

Languages: Java , C/C++ , Python , MySQL **Technologies**: Springboot , Git , Python socket , Django , OpenCV , Sklearn , Maven , Pip , Linux , NetBeans , Postman , DBeaver