SAMA JYOTHIKA

Tenali, Guntur, Andhra Pradesh

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Education

Educational Institution	Qualification	Duration	Board	CGPA
Vignan's University(VFSTR)	B.Tech (Information Technology)	2021-2025	University	8.9
Sri Chaitanya Junior College	Intermediate (MPC)	2019-2021	BIEAP	9.45
Viveka High School	Secondary School Certificate (SSC)	2018-2019	BSEAP	9.8

Technical Skills & Technologies

- Python Programming
- MySQL
- C #
- Machine Learning
- HTML
- Deep Learning
- CSS
- Angular JS

Experience

Associate Software Engineer   **Jan 2025 – Dec 2025**

Quixy, Hyderabad, Telangana, India (On-site)

- Contributed to the development and enhancement of no-code/low-code enterprise applications, supporting rapid digital transformation for business users.
- Resolved multiple frontend and backend defects, improving application stability, performance, and user experience across production modules.
- Worked extensively with Angular (frontend) and .NET Framework (backend) to implement bug fixes, feature improvements, and UI enhancements.
- Collaborated with cross-functional teams (product, QA, and support) to analyze issues, identify root causes, and deliver timely solutions.
- Implemented product improvements and optimizations based on user feedback and internal reviews, contributing to better system usability and maintainability.
- Followed software development best practices, including clean coding standards, debugging, testing, and version control.
- Gained hands-on experience with real-world enterprise systems, learning end-to-end application workflows under the mentorship of senior engineers.

Teaching Assistant   **Jul 2024 – Dec 2024**

Vignan's Foundation for Science, Technology & Research, Guntur, Andhra Pradesh, India (On-site)

- Delivered expert-level instruction in Python programming, covering core concepts such as syntax, control flow, functions, data structures, and object-oriented programming.
- Guided students through real-time Python coding tasks, with a strong focus on debugging, code optimization, and logical problem-solving.
- Conducted hands-on lab sessions exclusively in Python, helping students apply theoretical knowledge to practical scenarios and develop industry-relevant coding skills.

Projects

Bone Fracture Detection | *Python, TensorFlow, Google Colab*   **July 2024**

- Built and trained multiple **CNN architectures** to classify X-ray images for bone fracture detection.
- Achieved a high classification accuracy of **98.4%** using optimized deep learning pipelines.
- Conducted comparative performance analysis among popular CNN models for medical image diagnostics.

Breast Cancer Detection from Mammogram Images | *Python, TensorFlow, Google Colab*   **June 2024**

- Developed a deep learning-based system for **breast cancer diagnosis** from mammogram images.
- Implemented and evaluated **ResNet101**, **EfficientNetB7**, **VGG19**, and a custom CNN model.
- Achieved highest classification accuracy of **97.73%** using the customized CNN architecture.

Library Management System | *HTML,CSS,JS, PMySQL*   **Jun 2023 – May 2024**
- Engineered a Library Management System with user-friendly UI and role-based access for Admin, User, and Librarian.
- Implemented features like profile updates, book search, renewals, feedback, and favorites.
- Integrated CRUD operations, category-based filtering, and feedback management.
- Improved operational efficiency by **30%** through structured UI/UX and responsive backend design.

Research Paper

- Authored a Manuscript entitled **"Evaluating CNN and Deep Learning Models for Bone Fracture Detection:A comparative Study of VGG19,ResNet-50,LeNet and DenseNet"**

Personality Traits

- Adaptable

- Time-bound and result-oriented performer

- Persistent