

# Nikhita Gollamudi

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## EDUCATION

### Master of Science in Computer Science

Indiana University Bloomington [📍](#)

08/2023 – 05/2025

Bloomington

Relevant Coursework: Applied Algorithms, Applied Machine Learning, Software Engineering, Social Media Mining, System & Protocol Security & Information Assurance, Engineering Cloud Computing

### Bachelor of Technology in Electronics and Communication Engineering

Anurag Group Of Institutions [📍](#)

08/2019 – 06/2023

Hyderabad, India

## SKILLS

### Programming Languages

Python, Java, C++, C

### Web Development Technologies

JavaScript, HTML, CSS, Bootstrap, ReactJS, Angular, NodeJS, SpringBoot, Django

### Data Management

SQL, MySQL, MongoDB, PostgreSQL

### Libraries and Frameworks

pandas, NumPy, Matplotlib, scikit-learn, TensorFlow, Seaborn, Keras, OpenCV, Flask

### Developer Tools

Google Cloud Platform, VS Code, PyCharm, Anaconda, Windows, Eclipse, Unix, Android Studio, MySQL Workbench, Git, GitHub, Docker, Postman

## PROFESSIONAL EXPERIENCE

### Software Engineering Intern

Y Stem and Chess Inc.

07/2024 – 08/2024

Idaho, USA

- Transitioning the frontend framework from Angular to React for improved performance.
- Developing student activity pages and integrating APIs to enhance user interactions.
- Contributing to the website development, supporting the educational mission by improving user experience and platform efficiency.

### Software Development Intern,

LTIMindtree

01/2023 – 05/2023

Hyderabad, India

- Built a Tourism Management System with React, Node.js, and MongoDB, enhancing efficiency by 30%.
- Spearheaded an interactive dashboard to streamline tour operations and enhance data visualization.
- Crafted responsive design, ensuring a seamless user experience across all devices.
- Optimized backend performance, reducing load times and improving platform efficiency.
- Integrated advanced search and filtering capabilities, enabling users to quickly find and book tours.

### Software Engineering Fellow

Headstarter

07/2024 – 09/2024

Bloomington, USA

- Engineering scalable Pantry Tracker and AI support using React, Next.js, Firebase.
- Implementing SaaS Flashcard system with OpenAI, secure auth, and payments.
- Advancing skills in data structures, algorithms, and cloud through projects and hackathons.

## PROJECTS

### Secure Banking [📍](#)

Angular, SpringBoot, PostgreSQL, Docker

01/2024 – 05/2024

- Developed the frontend of Secure Banking using Angular.
- Executed robust role-based access for users, internal users, and admins, enhancing security.
- Constructed advanced session management and fortified frontend security protocols.
- Integrated seamless Google Sign-Up with Firebase and JWT authentication.
- Deployed the application with Docker, ensuring scalability and efficient operations.

### MedInsights [📍](#)

React, NodeJS, Render, MongoDB

08/2023 – 12/2023

- Designed a healthcare app with React and Node.js, featuring a dynamic landing page.
- Created chat functionality, patient dashboards, and doctor interfaces with feedback and search features.
- Integrated an insurance quote system for streamlined financial transparency and purchases.
- Leveraged MongoDB for robust healthcare data storage and management.
- Deployed on Render for optimal performance and scalability.

### Detection of Breast Cancer, [📍](#)

Flask, Pandas, NumPy, scikit-learn

01/2023 – 04/2023

- Engineered a breast cancer detection system with Pandas, NumPy, scikit-learn, and Matplotlib.
- Implemented transfer learning techniques to optimize image analysis, reducing diagnostic time by 50%.
- Trained a highly accurate classification model with 90% precision and 92% recall rates.
- Built a Flask backend and web interface using HTML, CSS, and JavaScript for CT scan uploads.
- Created an intuitive web page for real-time diagnostic results, displaying CT scans as benign or malignant.