

Ankitha G S

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SUMMARY

Software Engineer with a strong background in designing, developing, and maintaining high-quality software solutions. Proficient in multiple programming languages and technologies with a focus on performance and scalability. Known for delivering clean, efficient code and contributing effectively to collaborative development environments.

PROJECTS

Pneumonia Detection Using Machine Learning

- Developed a convolutional neural network(CNN) model to accurately detect pneumonia from chestX-ray images, achieving over 90% classification accuracy.
- Preprocessed and augmented a dataset of over 5,000 chest X-rays to enhance model robustness and reduce overfitting.
- Deployed the model using a Flask-based web interface for real-time pneumonia prediction and visualization of diagnostic heatmaps.

Secure Image Communication using Steganography

- Designed and implemented an image steganography system to conceal one image within another for secure visual data transmission.
 - Utilized spatial domain techniques in Python to embed and extract hidden images with high fidelity and minimal distortion.
 - Focused on data security and image quality, ensuring imperceptibility and robustness against basic steganalysis methods.
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EDUCATION

Bachelor of Engineering

Minor in Information Science and Engineering •Sai Vidya Institute of Technology, Bengaluru •2026 •9.00CGPA

12th

Minor in PCMB •Vagdevi PU College •Thirthahalli, Shimogga •2022 •97.50%

10th

Jnanavahini English Medium High School •Koppa, Chikkamagaluru •2020 •95.84%

SKILLS

TechnicalSkills

Programing Languages : Java, JavaScript, SQL

Web Technologies: HTML, CSS, React.js, Node.js, Restful APIs

Frameworks and Libraries : Spring Boot, Maven

Databases : MySQL, MongoDB

Tools and Platforms : Git, GitHub, Eclipse, VS Code

CoreConcepts : Object-Oriented Programming(OOP), Data Structures and Algorithms(DSA)

Additional Skills

- Communication skills
- Ability to work under pressure, manage multiple tasks, and meet deadlines.
- Quick learner with a passion for improving service efficiency and optimizing processes.

Languages Known : English, Hindi, Kannada
