DEEKSHA S

Address: #381, Narayana Nagar 2nd Block,

Bangalore City Municipal Corporation Layout, Bengaluru – 560062.

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EDUCATION

K.S. Institute of Technology,   **CGPA:** 7.33,
B.E in Computer Science and Engineering,   2025-Present,

Sri Kumaran Composite Junior College, Bengaluru,   **Percentage:** 86.33%,
Pre-University,   2020-2022,

Sri Kumaran Children's Home, Bengaluru,   **Percentage:** 87.52%,
10th Grade-SSLC,   2020.

PROJECTS

- **Skin Lesion Detection using Convolutional Neural Networks**
  Implemented a **web-based medical diagnosis system** to classify skin lesion images as **benign or malignant**. Applied a CNN-based deep learning model for image classification and early cancer detection. Built an interactive UI for image upload and prediction results.
  GitHub: https://github.com/deeksha-0808/Diagnosis-of-Skin-Lesions-Using-AI
- **Biometric Authentication with Rubik's Encryption and CNN**
  Designed a secure biometric authentication system using Rubik-based image encryption and CNN-based recognition. enforced **OTP-based verification** to control secure access.
  GitHub: https://github.com/deeksha-0808/Biometric-Authentication-with-Rubik-s-Encryption-and-CNN

SKILLS AND SOFTWARE

- Programming Languages: Python, HTML, JavaScript, C++, CSS.
- Tools: Git, VS Code, Qt Creator.

EXPERIENCE

- **CSIR – National Aerospace Laboratories (NAL):** Intern | Flight Simulation and Controls Division.
  • Contributed to a team-based flight simulation project, supporting the development of a map-based aircraft route and real-time position visualization module by completing approximately **30% of the overall system.** Also assisted in redefining 2+ UI logic using **Qt Creator**, with backend components in **C++** and UI interactions using **JavaScript**, under a chief scientist's guidance.
- **Princeton Smart Engineers:** Web Development Intern
  Completed a certified web development internship, building 3+ responsive user interfaces using HTML, CSS and Python following modular coding practices, and using Git and VS Code for version control and development.

COURSES AND CERTIFICATION

- Course on Python and OS Interaction – Coursera.
- Certified Research publication on **Biometric Authentication using CNN and Rubix Encryption**
  - IJARCCE, June 2025 and IJRTI, December 2025

ACTIVITIES AND ACHIEVEMENTS

- Participated in **community service and environmental initiatives** (sapling plantation, Gaushala cleaning, food seva).
- Languages known: Kannada, English, Hindi.
- **Interests:** Reading fiction novels