

DHAVAMANI S

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ABOUT

Motivated and passionate Computer Science Engineering student with strong expertise in Java programming and hands-on exposure to AI and Full Stack Development. Eager to apply problem-solving skills, programming knowledge, and innovative thinking to contribute to impactful projects. Seeking an entry-level opportunity as a Java Developer, while also open to roles in AI and Full Stack Development to further enhance my skills.

PROJECTS

Ensemble-Based Explainable Deep Learning Framework Using CNNs for COVID-19 and Pneumonia Prediction from Chest X-rays

Developed a CNN-based model using transfer learning (DenseNet121) to classify chest X-rays into COVID-19, pneumonia, and normal categories. Implemented preprocessing, data augmentation, and Grad-CAM visualization to enhance model performance and interpretability, achieving high accuracy with precision, recall, and F1-score evaluation. Deployed the solution as a real-time clinical web application using Streamlit/Flask.

Chatbot Application

Built a simple chatbot interface using HTML, CSS, JavaScript, and React to demonstrate real-time user interaction and frontend development skills.

EDUCATION

Model Higher Secondary School, Mulanur
12th Grade - 90% 2022-2023

Bannari Amman Institute Of Technology
CGPA Upto 4th Semester : 8.29 2023-2027

TECHNICAL SKILLS

- **Programming:** Java, Python, C, C++
- **Database:** MySQL
- **Frontend:** HTML, CSS, JavaScript, React.js
- **ML/DL:** Basics of Machine Learning & Deep Learning

TOOLS

- VS Code (Visual Studio Code)
- Figma (UI/UX Design Tool)
- Canva (Graphic Design Tool)
- Git (Version Control System)
- GitHub (Code Hosting & Collaboration Platform)

CERTIFICATIONS

- The joy of computing using python - NPTEL
- CSS, Javascript Courses - Hackerrank
- Responsive Web Design – freeCodeCamp
- Python Developer - Coursera

EVENTS & ACHIEVEMENTS

- Participated in 4th National Conference on Recent Advancements in Science, Engineering and Technologies organized by Our Institute. (RASET-2024]
- HackSpora 2k25 – National Level Hackathon: Developed an AI-based medical imaging analysis solution with Grad-CAM explainability, collaborating in a 4-member team and gaining experience in AI concepts, teamwork, and problem-solving.
- Participated In Ideathon 2025 - Final Round

LANGUAGE KNOWN

- Tamil
- English