

# Jyoshitha Reddy Chandrapu

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## Education

<b>B.Tech in Computer Science and Engineering (Data Science)</b> (2022 - 2026)	CGPA: 8.86
B.V. Raju Institute of Technology	
<b>Intermediate</b> - Sri Chaitanya Junior College(2020 - 2022)	Percentage: 96%
<b>SSC</b> - Sri Chaitanya School(2020)	CGPA:10.0

## Projects

### Brain Stroke Prediction and Classification

Mar 2024 – June 2024

*Python, TensorFlow, Keras, CNN, NumPy, Pandas, Matplotlib, Scikit-learn*

- Developed a Convolutional Neural Network (CNN) model to predict and classify brain strokes (ischemic or hemorrhagic) based on medical imaging data, achieving high accuracy in diagnosis.
- Used activation functions (ReLU, Softmax) and the Adamax optimizer to improve performance. And the model's performance is assessed using a confusion matrix and classification report.

### Knee Osteoarthritis Severity Predictor

Jan 2025 – Apr 2025

*Python, Flask, PyTorch, EfficientNet, Matplotlib, Scikit-learn, HTML, CSS*

- Trained an EfficientNet-B0 deep learning model using PyTorch to classify knee osteoarthritis X-ray images into five severity levels: Normal, Doubtful, Mild, Moderate, and Severe.
- Built a Flask-based web application with a user-friendly interface to upload X-ray images and display model-predicted severity results.

### Hospital Appointment System

Ongoing

*HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB*

- Designing a full-stack Hospital Appointment System to provide efficient appointment booking and user management features.
- Using MongoDB as the database to store user, doctor, and appointment data; implementing features like appointment booking and role-based dashboards.

## Skills

**Programming Languages:** Python, Java, C

**Web Development:** HTML5, CSS3, JavaScript, ReactJS, NodeJS, Flask

**Tools & Database:** Power BI, IDLE, Git, Jupyter, Google colab, MySQL

**Soft Skills:** Adaptability, Teamwork, Leadership, Responsibility

## Certifications

- **Java Fundamentals and Java Foundations** — Oracle
- **Advanced Spoken English** — British Council
- **Summer Of AI Internship Program** — Swecha

## Extracurricular Activities

- Actively participated in several hackathons, working on real-world challenges.
- Passionate badminton player.

## Coding Profile

- **Hackerrank:** <https://www.hackerrank.com/22211a6723>
- **CodeChef:** <https://www.codechef.com/users/a6723>
- **Leetcode:** <https://leetcode.com/22211a6723>
- **Mentorpick:** <https://mentorpick.com/profile/22211a6723-chandrapu>
- **Github:** <https://github.com/jyoshitha24>