

# Dhanya D

linkedin

github

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## EDUCATION

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- **JSS Academy of Technical Education** Bangalore, India  
*B.Tech in Computer Science and Engineering; GPA: 8.6* 2026
- **Venkat International School** Bangalore, India  
*11th and 12th; Percent: 76* 2022
- **Venus International School** Bangalore, India  
*Till 10th; Percent: 93* 2020

## RELEVANT COURSES

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- **Core CS Subjects:** Operating Systems, Data Structures, Algorithms, Computer Networks, Database Management
- **AI and ML:** Artificial Intelligence, Machine Learning, Deep Learning
- **Web and Cloud:** Web Development, Cloud Computing, Distributed Systems

## SKILLS SUMMARY

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- **Programming Languages:** Python, C++, SQL(basic), C, Java
- **Frameworks & Libraries:** Scikit-learn, TensorFlow, Keras, Flask, Pandas, Numpy, Matplotlib
- **Tools:** Git, Jupyter, VS Code, Linux Terminal, MongoDB
- **Platforms:** Linux, Windows, AWS
- **Soft Skills:** Time Management, Leadership, Communication, Teamwork

## CERTIFICATIONS

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- **Foundations of Artificial Intelligence**  
*IBM SkillsBuild*
- **Design and Analysis of Algorithms**  
*NPTEL*
- **AWS Cloud Technical Essentials**  
*Coursera, AWS*

## PROJECTS

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- **Movie Recommendation System (Machine Learning, Web Development):** Developed a hybrid recommendation system using content-based filtering and collaborative filtering techniques. Implemented a Flask-based web interface to interact with users and display personalized movie recommendations. Utilized libraries such as `pandas`, `numpy`, `scikit-learn`, and `Surprise` for data handling and modeling. Tech: Python, Flask, Pandas, NumPy, Scikit-learn, Surprise, TfidfVectorizer, Cosine Similarity.
- **Rainfall Prediction using Machine Learning (Machine Learning, Random forest model):** Built a predictive model to estimate rainfall using historical weather data with accuracy above 80 percent. Tech: Python, NumPy, Pandas, Pickle, Matplotlib, Sklearn, seaborn
- **Image Labelling using AWS Rekognition (Cloud Computing, Computer Vision):** Implemented an automated image labelling system by integrating AWS S3 with Rekognition to classify and tag uploaded images. Tech: AWS Rekognition, S3, Boto3, Python.
- **Food Billing System (Desktop App Development):** Developed a GUI application which enables the generation of an invoice after the purchase of particular items. Utilized MySQL for backend, FPDF for invoice generation, and Python libraries like `tkinter`, `messagebox`, `pickle`, and `datetime` for functionality. Tech: Python, Tkinter, MySQL, FPDF, Pickle.