



# MANJULA B

## EDUCATION

### BTech - Artificial intelligence and data Science

Karpagam college of Engineering  
2021-2025  
cgpa - 8.55

### Higher Secondary School - 12th Grade

Cheran Matriculation Hr Sec School  
2020-2021  
Percentage - 92

## SKILLS

**Analytics:** Power BI, SQL, Excel, Tableau, Pandas

**Programming:** Python, Java (Basic), JavaScript (Basic)

**AI/ML:** Machine Learning, NLP, Scikit-learn, TensorFlow, Keras

**Web:** React.js, Flask, HTML, CSS

**Tools & Platforms:** Git, GitHub, Spring Boot, AEM

## INTERNSHIP

### Power BI - We and Data

April 2023 - May 2023

- Built interactive Power BI dashboards
- Optimized data models for analysis
- Cleaned and transformed data using Power Query

## SOFT SKILLS

Communication  
Adaptability  
Leadership  
Team Work  
Creativity

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## PROJECTS

### Healthcare Analytics Dashboard | Power BI

APR 2024

Developed an interactive Power BI dashboard to analyze patient waitlist data using Excel, and Power BI. Delivered actionable insights that supported data-driven decision-making and reduced patient wait times by 20%.

### Sentiment Analysis Web App | Flask & ML

MAR 2024

Designed and developed an intent-based mental health chatbot using NLP, deep learning, and VADER sentiment analysis to deliver real-time emotional support. Implemented intent classification and context-aware responses to ensure safe interactions and analyze user sentiment patterns.

### Mental Health Chatbot | RNN, Deep Learning

DEC 2024

Developed an intent-based mental health chatbot using NLP, a GRU-based deep learning model, and VADER sentiment analysis to provide real-time emotional support. Implemented intent classification and context-aware responses to ensure safe, relevant interactions without external APIs.

### University Portal System | React js ,Springboot

MAY 2025

Developed the frontend UI for Profile, Enrollment, Admin, and main pages, integrating them with backend APIs for seamless data flow. Ensured a responsive, user-friendly interface while collaborating with the team to deliver key modules and enhance overall system functionality.

## CERTIFICATIONS

Data Scientist Associate – DataCamp  
Python for Data Science & Data Engineering – Databricks  
Google Data Analytics Professional Certificate – Coursera  
Adobe Experience Manager - ADOBE