

# HEMA D S

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## ABOUT ME

I am an open-minded tech enthusiast who likes to learn and explore new technologies and typically possesses a combination of skills, traits, and habits that contribute to my passion for building digital solutions and continuous learning. Able to effectively self-manage during independent projects as well as collaborate as part of a productive team.

## PROJECTS

### AI Legal Summarizer:

Engineered a transformer-based **abstractive summarization** pipeline using **T5** for Indian legal documents, reducing lengthy judgments into concise summaries, thereby improving accessibility for lawyers and researchers.

### Voice-Enabled AI Assistant Web App:

Developed an AI-powered web application with voice-based patient interaction using **speech\_recognition** and **Gradio** for an intuitive frontend. Deployed on an **AWS EC2** Ubuntu server, setting up custom DuckDNS domain, HTTPS encryption for secure, publicly accessible access.

### Customer Churn Prediction:

Built an **end-to-end data pipeline** for ingesting, cleaning, merging, and indexing large sales data. Engineered **RFM** and advanced features with automated decision checks to improve model accuracy. Developed churn prediction models including **SHAP explainability**.

## SKILLS

- **Programming Languages:** C++, Python
- **Data Structures and Algorithm**
- **Object Oriented Programming**
- **Operating System**
- **Relational DBMS:** MySQL
- **Technologies and Frameworks:** Git and GitHub, Postman, AWS (Basics)

## EDUCATION

**B.TECH in Artificial Intelligence and Machine Learning (AIML)** 2022-Present  
University of Visvesvaraya College of Engineering - 9.25 CGPA

### SCHOOLING

Narayana PU College (State) 2020- 2022

12th Grade - 95.35%

Citizens' English School (ICSE) 2010- 2020

10th Grade - 93%

## LEADERSHIP & ACHIEVEMENTS

### Placement Coordinator (Training and Placement Office, UVCE):

Acted as the liaison between recruiters and students, ensuring smooth execution of **campus placements**. Strengthened corporate relationships while fostering student career readiness.

### College Club Contributions:

Played an integral role in IEEE UVCE and different cultural clubs contributing to event planning, organizing technical and cultural activities, gaining teamwork and leadership experience.

## EXTRA - CURRICULAR ACTIVITIES

- Received certification for participation in **CODESTROM** (Technical Event), **KAGADA** (Poster Presentation) and **CODEFURY** (Hackathon) organised by IEEE UVCE.
- Secured 3rd prize in **TECHNOCON** (Poster Presentation Track) organised by IEEE SIT.
- Volunteered and organised various technical and non technical events.