

DEEPA S CHEBBI

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Location:India

Professional Summary

"A hands-on innovator dedicated to the art and science of creation, driven by relentless curiosity and a passion for building AI-driven applications, scalable web platforms, and data-driven insights. Skilled in C, Python, Java, and AI/ML, with a strong commitment to leveraging technology not just to build systems, but to create meaningful impact for businesses and communities."

Education

- **Bachelor of Engineering (BE) in Information Science** [No Backlogs]
Visvesvaraya Technological University (VTU), RR Institute Of Technology , CGPA:8.83/10 | 2021-2025
- **Mahesh Goutham Siddaatha Pu College** ,Percentage : 93% | 2019-2021
- **Florence High School** , Percentage :88.80% | 2019

Skills Summary

- **Programming** : C, C++, Python, Java
- **Databases**: MySQL, SQL, PL/SQL
- **Frameworks & Tools**: Git, PyCharm, Visual Studio Code, Eclipse, Jupyter Notebook, Django, Hibernate, PHP, JDBC ,Excel ,PPT
- **Concepts**: OOP, DBMS, OS, DSA, System Design, Inter-process Communication, Threading
- **Web & Cloud**: APIs, Agile Methodology, AWS
- **Soft Skills** : Rapport Building , Excellent Communication, Problem-solving , teamwork
- **Languages Known**: English , Kannada, Hindi

Projects

Medical ChatBot Using AI/ML & LLM

[LINK : https://github.com/Deepa-S-Chebbi/medical_chatbox]

- Built an end-to-end LLM based chatbot using Hugging Face ,Langchain, FAISS for medical queries. Implemented vector embeddings , chain-based architecture , and chunking for efficient query resolution
- Frontend with Streamlit and integrated with AI & ML Libraries such as numpy , scikit-learn ,tensorflow

Osteoporosis Detection Using Machine Learning

[LINK: <https://github.com/Deepa-S-Chebbi/osteoporosis-detection>]

- Developed a dynamic web application to detect osteoporosis using Machine Learning algorithm and models such as convolutional neural networks (CNNs) and support vector machines (SVMs),
- Applied ML for Bone Mineral Density (BMD) estimation with DEXA imaging data . Addressed data imbalance, model interpretability and generalization challenges to improve performance

Internship

Artificial Intelligence & Machine Learning Intern

TechnoFly Solution, Bangalore | **October 11, 2022 – October 30, 2022**

- Worked on AI/ML algorithms and models, learning and applying various machine learning techniques.
- Gained hands-on experience with tools like Python, TensorFlow, and Scikit-learn.
- Assisted in the development and testing of AI-based projects and participated in team discussions and problem-solving sessions.

Front-end Web Development Intern

Mevi Technologies LLP, Bangalore | **October 26, 2023 – November 26, 2023**

- Developed and optimized front-end features using HTML, CSS, and JavaScript.
- Collaborated with UI/UX designers to implement design ideas into functional code.
- Gained experience with front-end frameworks like React and worked on responsive designs for web applications.

Certificates

- **Big Data Computing by NPTEL** — Completed with Elite | Aug – Oct 2024
- **Data Science for Engineers by NPTEL** — Completed with Elite | Jul – Sep 2024
- **Introduction to AI by Infosys** | Sep 2024
- **TCS Mastercraft™ Dataplus** — Dataplus Overview course
- **Agile Project Management** by HP Foundation
- **Data Science and Analytics** by HP Foundation
- **Introduction to Industry 4.0 and Industrial IoT by NPTEL** — Completed with Elite |Jan-Apr 2024

Extra-Curricular Activities

- Participated in **Bosch Phase Shift Hackathon** on Dec 14th-15th, 2023
- Participated in **Enigma 2023 Hackathon** conducted by Jyothy Institute of Technology on Dec 22nd-23rd, 2023.
- Published a paper entitled “3 in 1 meter A Unified Metering System Deployed for Water and Energy Monitoring in Smart City and Electricity theft” in “**International Journal of Research Publication and Reviews(IJRPR)**”,Volume 6, Issue4