Harshit Agarwal

Bengaluru, Karnataka

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EDUCATION

International Institute of Information Technology, Bangalore

PGD in Product Design and Management - GPA - -/4

2025 - 2026

Bengaluru, India

BMS Institute Of Technology

Bachelor of Engineering in Information Science -CGPA - 7.6

2019 – **2023** *Bengaluru, India*

INTERNSHIP

Stealth Startup

 $08\ 2023 - 01\ 2024$

Full Stack Web Developer

Remote

- Used version control tool **Git** and code storage tool **Bitbucket** for added application functionality.
- Completed various Database Migrations with Ruby on Rails and ActiveRecord.
- Developed and Implemented features including Geolocator, User Authentication using Ruby On Rails.
- Wrote custom Validations and multiple Test Cases for various Models.
- Design, build, and maintain Efficient, Reusable, and Reliable Ruby code.

PROJECTS

DeChat App 2 | Ruby on Rails, Bootstrap5, Web Sockets, SQLite3

- Developed a Real-Time Chat application using Ruby on Rails, leveraging the power of **ActionCable** and **Web Sockets**.
- Implemented a **User Authentication System** to ensure secure access to the chat application. Users can **Sign Up** and **Log in**.
- Designed a user-friendly UI for the chat application using **Bootstrap5** and utilised **SQLite3** as a Database to store messages.

Transparency In Carbon Credit | MERN Stack, Blockchain

- The project fully automates the process of storing **Carbon Emissions** of an Organization Using **Private Blockchain** and **Sensors**.
- The organizations can check their wallet details, transactions, available credits, used credits etc.

Insurance Pricing Forecast | Pandas, Numpy, Jupyter Notebook, Matplotlib, XGBoost

- Built an Xboost Regression Model to Predict Insurance Pricing, achieving a 15-20% improvement in RSME compared to baseline models (Linear Regression, Decision Tree)
- Conducted Data Preprocessing and Feature Engineering to Improve Model Stability and its Predictive Power.
- Performed HyperParameter Tuning which improved Model Accuracy and Reduced Overfitting

COURSEWORK / SKILLS

- Data Structures & Algorithms
- IT Project and Product Management
- Computer Networks
- Database Management System (DBMS)
- Artificial Intelligence
- OOPS Concept
- Quantitative Data
- Analysis
- Software Production Engineering

TECHNICAL SKILLS

Languages: C++, SQL, Python

Developer Tools: VS Code, Sublime Text

Databases: Postgresql, MongoDB (Basics), MySQL

Technologies/Frameworks: Linux, GitHub/Bitbucket, Bootstrap, Git, Ruby On Rails, Tableau

LINKS/CERTIFICATES

- GeeksForGeeks
- Leetcode
- Github
- Linkedin
- Codeforces
- MongoDB Basics