Himanshu Saini

+91 7851894285 | 22f3002094@ds.study.iitm.ac.in | linkedin.com/in/thehimanshhu | github.com/22f3002094

IIT Madras
B.S. Degree

ABOUT ME

Pursuing a BS in Data Science and Applications at IIT Madras (CGPA: 8.94) with strong proficiency in Python and hands-on experience in AI-driven applications, machine learning, and full-stack development.

Skilled in exploring and interpreting data, building predictive models using pandas and scikit-learn, and applying statistical methods and end-to-end ML pipelines to extract meaningful insights and solve real-world problems. Experienced in developing AI agents with LangChain and creating web applications using Flask and Vue.js. Passionate about leveraging AI, data and software engineering to create impactful, innovative solutions.

EDUCATION

Indian Institute of Technology   Chennai, Tamil Nadu
Degree - BS in Data Science and Applications   Sep 2022 - Present
CGPA: 8.9

Prince Eduhub   Sikar, Rajasthan
12th, Mathematics   July 2020 - April 2021
Percentage: 98.80%

L.B.S. International School   Shrimadhopur, Rajasthan
10th   July 2018 - April 2019
Percentage: 92.17%

EXPERIENCE

Web Admin   Nov 2025 - Present
Sundarbans House - Indian Institute of Technology, Madras

Managing the digital ecosystem of Sundarbans House — a 5000+ student community spread across India, ensuring seamless communication and accessibility.

- Maintaining the official web presence, publishing updates, and optimizing content flow for events, announcements & student engagement.
- Collaborating with the House Council to streamline workflows, enhance information reach, and strengthen community interaction through technology.

Project Mentor for Appdev   Jan 2025 - Present
Indian Institute of Technology, Madras

Mentored 100+ students in full-stack application development with a focus on Vue.js, Flask, HTML, and Bootstrap; facilitated regular code reviews and debugging sessions to uphold coding best practices and quality assurance.

- Led 60+ hands-on bootcamp sessions where I guided students on writing and debugging code.
- Provided personalized one-on-one mentorship to help students overcome technical challenges, emphasizing the importance of systematic troubleshooting.

AI Developer Intern   Apr 2025 - Jul 2025
QAPP.AI Solutions LLP.

Developed 5 AI-driven applications utilizing OpenAI API functionalities, with a Flask-RESTful backend and Vue 3 frontend, ensuring comprehensive code documentation and rigorous quality assurance.

- Engineered scalable frontend components and integrated them with backend services, adhering to coding best practices and effective source control.
- Optimized application performance through rigorous code reviews and proactive defect resolution, aligning deliverables with technical and functional requirements.

PROJECTS

GENHIRE (Group Project)   Oct 2025 - Present
- Leading the project as **Project Manager**, overseeing planning, task allocation, and milestone execution.
- Building an end-to-end GenAI-powered HR automation system enabling JD generation, resume screening, autonomous interview scheduling, and communication workflows.
- Implementing GenAI-based resume parsing, AI-driven candidate ranking, AI-screening interviews, and sending emails and scheduling calendar invites using AI Agent.
- Developed using Vue.js, Flask, LangChain/Gemini API, and Supabase

ParkSmart | [Github Repo Link](#)   Jul 2025 - Aug 2025
- It is a multi-user app (one requires an administrator and other users). Admin manages different parking lots, parking spots and parked vehicles. Users can search and book parking lots.
- Vue js, Vue-Router, Vuex, Flask, Flask-Restful, Bootstrap, Flask Security, Sqlalchemy

BDM Capstone Project Jun 2025 - Aug 2025
- Collected, digitized, and analyzed 4 months of sales and ledger data (1,400+ records) from physical bill books and handwritten ledgers using Google Sheets and Python (Pandas, Matplotlib, Scikit-Learn, statsmodal).
- Performed descriptive statistics, trend analysis, and customer/brand-level segmentation to identify seasonal sales patterns, profitability drivers, and top-performing brands and shops.
- Awarded **Best Course Project** for Business Data Management.

Machine Learning Practice Project | [Github Repo Link](#)   Sep 2024 - Nov 2024
- Objective: Predicting the success of Bank Telemarketing
- Performed EDA, data cleaning, and preprocessing to prepare a bank telemarketing dataset for predictive modeling.
- Developed and optimized multiple ML models including Linear Models, Naive Bayes, KNN, and SVM, applying dimensionality reduction, feature selection, and hyperparameter tuning.
- Enhanced prediction accuracy using ensemble methods such as Bagging and Boosting, leveraging Python, pandas, NumPy, Scikit-learn and Matplotlib.

Automated Analysis using LLM (OPENAI Models) | [Github Repo Link](#)   Nov 2024 - Nov 2024
- Objective: Develop an automated EDA tool
- Built an automated Exploratory Data Analysis (EDA) tool powered by LLMs (GPT models) to analyze any tabular dataset with minimal user input.
- Automated key processes including data profiling, correlation detection, and feature-wise summaries using language-driven analysis.
- Generated dynamic visualizations and comprehensive analysis reports, improving data understanding and reducing manual effort.

Household Service Application | [Github Repo Link](#)   Sep 2024 - Nov 2024
- Objective: Develop a multiuser household services platform
- Developed a household services platform enabling seamless interaction between customers, service professionals, and admins for booking and service management.
- Built and integrated key features such as user authentication, service listings, and booking workflows using Flask, SQLite, and RESTful APIs.

SKILLS

Programming Languages: Python, JavaScript
Frameworks & Libraries: Vue.js, Flask, Flask-RESTful, Flask-Security, Sqlalchemy, Langchain, Flask Login, Bootstrap
Data Science & Analysis: Pandas, NumPy, Scikit-learn, Matplotlib, Linear Algebra, Statistics
Databases: SQL, Postgres (psycopg), SQLite, Supabase
Tools & Development Practices: Git, Github
AI Tools: OpenAI API (GPT models), Gemini API