Suryansh Dhama

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Education

K.R Mangalam University

Bachelor of Technology in Computer Science (Sp. AI & ML)   Aug 2023 – June 2027

- GPA: 7.3
- **Coursework:** Machine Learning, Data Structures and Algorithms, Java Programming, Database Management System, R Programming

Technical Skills

Languages: Python, Java, SQL, R

Developer Tools: VS Code, Jupyter Notebook, Google Colab,, R Studio, GitHub

Technologies: Pandas, NumPy, Matplotlib, Seaborn, Machine Learning.

Projects

BambooBloom Smart Air Purifier — GitHub | May 2025

• Designed a smart air purifier prototype integrating sensors for real-time air quality monitoring.

• Utilized microcontrollers and Python scripts to track PM2.5, CO2, and humidity levels.

• Implemented an ML model to adjust purification levels based on environmental conditions, improving efficiency and responsiveness.

• Enabled IoT-based remote monitoring and control using mobile/web dashboard.

Mega Project 1: Jarvis (Python-based Assistant) — GitHub | Jan 2025

- Developed a Python-based AI assistant called Jarvis, capable of voice recognition, scheduling tasks, and integrating with other software tools.
- Utilized SpeechRecognition, pyttsx3, and PyAutoGUI for voice input and automation.
- Implemented multiple functionalities such as weather updates, news briefing, and reminders.

Certifications

- Forage — Data Visualization: Empowering Business with Effective Insights.
- C-DAC, NOIDA — Bootcamp on Big Data & Data Science.
- K.R. Mangalam University — Hackathons 4.0 Participation Certificate
- K.R. Mangalam University — RoboRush 1.0 Participation Certificate

Leadership /Extracurricular

➢ **Contributed to IIRS Initiatives:**

- Geodata Processing using Python and Machine Learning: Applied machine learning techniques for geospatial data processing, gaining hands-on experience in Python and AI/ML applications.
- Application of AI/ML Models for Specific Crop Acreage: Worked on using AI/ML to estimate crop acreage, leveraging advanced data science techniques for real-world agricultural applications.