Jeevesh Dass

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Education

- **Thapar Institute of Engineering and Technology** — *2023 – 2027*
  B.E. Computer Engineering | CGPA: 9.33 (4th Semester) — *Patiala, Punjab*

- **Joint Entrance Examination (JEE)** — *2023*
  Percentile: 94.9 — *India*

- **FIITJEE** — *2022*
  Senior Secondary (Class 12) | Percentage: 88.4 — *Hyderabad, Telangana*

- **Birla Open Minds International School** — *2020*
  Secondary (Class 10) | Percentage: 90.4 — *Hyderabad, Telangana*

Experience

- **Project Intern** — *June 2024 – July 2024*
  Thapar Institute of Engineering and Technology — *Patiala, Punjab*
  - Built an ML model for **NPK prediction** using a custom dataset of 14 features. Integrated data from **satellites**, **IoT**, and **meteorological sources**.
  - Reduced **fertilizer waste by 15%**, achieving a **R^2 score of 0.967**.
  - Implemented **real-time soil monitoring** using **LoRaWAN**-based IoT sensors over 100+ acres.
  - Deployed via **Flask API** on **Render Cloud**, and integrated with a **Flutter app**, reducing processing time by **35%**.

Projects

- **AAHAR: Smart Farming Partner (Collaborative)** — Jan 2025
  - Integrated NPK model achieving **R^2 score: 0.989**.
  - Built **plant disease detection system** with **TensorFlow**, **TFLite**, and **scikit-learn**; reached **85% accuracy**.
  - Developed **context-aware multilingual chatbot** using **LangGraph** with a **1.4s response time**.
  - Enhanced usability with **Google Maps API**, marketplace, and weather forecasting features.

- **Heart Disease Detection** — July 2024
  - Performed EDA using **UCI Heart Disease Dataset**; applied feature scaling and cleaned missing values.
  - Trained Logistic Regression, KNN, and Random Forest models — achieving up to 88% accuracy.
  - Evaluated model using **precision**, **recall**, and **F1-score**.

Publications

- **Data-Driven Cloud-Based Soil Nutrient Prediction System for Precision Agriculture** – MoSICom 2024, Dubai. IEEE Xplore

Technical Skills

- **Languages:** C++, C, Python, SQL, MATLAB, R
- **Frameworks:** Tensorflow
- **Libraries:** Scikit-learn, Keras, OpenCV, pandas, NumPy, Matplotlib
- **Tools:** Git, Google Collab, VS Code, PyCharm, Jupyter Notebook

Achievements & Certifications

- **Runner-up** at **HackTU 6.0 by MLH** among 3,500+ participants.
- Certified in **Complete A.I. & ML, Data Science Bootcamp**.