PRIYANSH PORWAL

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EDUCATION

Bachelor of Technology in Computer Science   Aug 2023 – Aug 2027
Jaipur Engineering College and Research Centre (JECRC) | CGPA: 9.52 out of 10.

Senior Secondary   Apr 2021 – Mar 2022
Central Board of Secondary Education (C.B.S.E.) | Score: 94.8%

SKILLS

Technical skills: Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SQLite, SQL.
Machine Learning: Regression, Classification, Clustering, Decision Trees, Random Forest, SVM.
Tools: Jupyter Notebook, Google Colab, Streamlit, Flask, Git, GitHub. IBM Watson Studio.

PROJECTS

AI-POWERED TELEGRAM BOT (GitHub) | Python, Flask, OpenAI API   Jun 2025 – Jul 2025
- Built Telly Bot using Python, Flask, and OpenAI API, **improving query response efficiency by 30%.**
- Integrated BotFather API for real-time queries and AI image generation.
- Implemented command handling (/start, /help), **reducing onboarding time by 40%**.
- Secured API access with BoltIOT key management.

CROP AND FERTILIZER RECOMMEND SYSTEM (GitHub) | Python, Scikit-learn   Apr 2025 – May 2025
- Developed a recommendation model to suggest the most suitable crop and fertilizer.
- Performed **data preprocessing, feature selection, and model evaluation** (train-test split, accuracy, confusion matrix) to optimize performance.
- Visualized insights using Matplotlib to understand data distribution, and soil–crop relationships.
- Achieved **98%** accuracy with **Decision Tree Classifier**

DISEASE PREDICTION MODEL (GitHub) | Python, NumPy, Pandas, Scikit-learn   Jan 2025 – Feb 2025
- Developed **an SVM ML Model** to predict diabetes, heart disease, and Parkinson's disease.
- Implemented **data preprocessing, model training, and optimization** using Python, NumPy, Pandas, Scikit-learn.
- Utilized Pickle for model storage and fine-tuned hyperparameters for **improved accuracy**.
- Built an interactive **Streamlit UI** for **user-friendly** disease risk assessment.

WORK EXPERIENCE

- **AI-ML INTERN (Live Project Link)**   **(Virtual) Jul 2025 – Aug 2025**
  (IBM SkillsBuild)
  - Collaborated with teammates to debug backend–frontend integration issues and guided **API deployments**, improving system **reliability** and **scalability**.

- **AI-ML INTERN (Live Project Link)**   **(Virtual) Jul 2024 – Aug 2024**
  (IBM SkillsBuild)
  - Researched and developed an Anti-Corruption **Chatbot** using IBM Watson NLU to facilitate **online reporting**, real-time complaint tracking and improve **citizen engagement.**
  - Built chatbot with intent classification and entity extraction for accurate case categorization.

CERTIFICATIONS & ACHIEVEMENTS

- Data Analysis Using Python **(Link).**
- Prompt Design in Google Vertex AI Certification (Link).
- Secured **Third runner–up** position out of **6,123** teams in IBM SkillsBuild AI Program 2024. (Link).