ROSHAN LAL CHAURASIA

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Education

- JIMS Engineering Management Technical Campus, Greater Noida
  B.Tech in Computer Science Engineering
  Dec 2021 – Jun 2025 | CGPA: 8.4

- Guru Harkrishan Public School, Kalkaji
  Senior Secondary (Class XII), Science Stream
  Apr 2019 – Mar 2020 | Percentage: 76%

- Guru Harkrishan Public School, Kalkaji
  Secondary (Class X), Science Stream Apr
  2017 – Mar 2018 | Percentage: 72%

Projects

Diabetes Prediction and Recommendation System   02/2025
Technologies: Django, Flask, Machine Learning, Pandas, Scikit-learn

- A machine learning-based system developed using Django and Python (scikit-learn, pandas, matplotlib) to predict diabetes risk.
- Multiple models—including Logistic Regression, Random Forest, SVM, XGBoost, Ensemble, and MLP Classifier—were evaluated.
- MLP Classifier delivered the highest accuracy and was chosen as the final model.
- Trained on 700+ patient records with features such as glucose, BMI, insulin, and age.
- Categorizes users into Low, Medium, or High risk and offers real-time, personalized health recommendations.

Hospital Login System   11/2024
Technologies: Django, Python, MySQL, Bootstrap

- A responsive, role-based hospital management system was built using Django, MySQL, and Bootstrap.
- Secure user registration, login, and session handling were achieved through Django's authentication system.
- Patients have access to personal health data, doctor listings by specialty, and real- time appointment booking.
- Doctors manage appointments and maintain a blog with draft, publish, and visibility control features.
- Data integrity and relational mapping were ensured via well-structured MySQL schemas and robust CRUD operations.

Technical Skills

Languages: C++, Python, HTML, CSS, JavaScript, REST API Databases:
MySQL, SQLite
Frameworks & Libraries: Django, Flask, React, Bootstrap, Scikit-learn, Pandas, NumPy
Tools & Platforms: Git, GitHub, Postman, IntelliJ, Visual Studio, Jupyter Notebook, Google Colab, MS Word, Adobe Photoshop

Experience

Business Analyst Intern
Outlook Publication India Pvt. Ltd. (June 2024 - July 2024)

- Analyzed market trends and customer behavior to support strategic decisions.
- Proposed data-driven business improvements that contributed to increased engagement.

Hackathon - Troubleshooter (Inter-College)

- Collaborated in a team to develop a platform to help small ice cream vendors reach a broader audience through online tools and e-commerce solutions.

Achievements

- Solved 500+ DSA problems on LeetCode, CodeChef, and GeeksforGeeks.
- Certification in Python & Django from Infosys Springboard (2024).
- Completed HTML, CSS, and JavaScript certification from Data Flair (2023).
- Participated in various web development and coding competitions including Code Trek, Troubleshooter, and more.
- Secured 2nd prize in the college-level Treasure Hunt competition.