

# NAMAN PAL

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## SUMMARY

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Data-driven professional skilled in collecting, analyzing, and visualizing data to drive informed decision-making. Proficient in Python, SQL, and data visualization tools. Dedicated to uncovering insights that enhance business strategies.

## EDUCATION

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- **Bennett University, School of Computer Science** Graduating 2026  
B.Tech in Computer Science and Engineering
- **Delhi Public School** Graduated 2022  
Senior Secondary Science

## SKILLS

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- **Languages and Tools:** Python, SQL, C++, HTML, CSS, GitHub, Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI, Scikit-learn, TensorFlow, PyTorch, Keras, Hadoop, Spark, MySQL, PostgreSQL, MongoDB
- **Technical Skills:** Data Analysis, Machine Learning, Object-Oriented Programming, Data Structures and Algorithms, Web Development, Frontend Development, APIs, Big Data Processing, Database Querying, Version Control
- **Soft Skills:** Client-Centric Approach, Team Collaboration, Time Management, Problem-Solving, Communication

## PROJECTS

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- **Energy Demand** 2024
  - Built a time series forecasting model using ARIMA to predict future energy demands.
  - Conducted exploratory data analysis to identify trends and seasonality.
  - Tuned ARIMA parameters using ADF, ACF, and PACF analysis.
  - Visualized forecasts with confidence intervals using Matplotlib and Seaborn.
  - Achieved accurate and interpretable predictions for real-world datasets.
- **Room Ease** 2023
  - Built a system to optimize room allocation for 500+ students.
  - Reduced processing time by 30% using efficient algorithms.
  - Designed a user-friendly web interface to enhance allocation efficiency.
  - Increased satisfaction by 25% through better management.
- **Weather Predictor** 2022
  - Developed a weather prediction app with 90%+ accuracy.
  - Built cross-platform UI for mobile, web, and desktop.
  - Reached 1,000+ users and improved data processing time by 30%.

## CERTIFICATIONS

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Exploratory Data Analysis for Machine Learning  
Supervised Machine Learning: Classification and Regression  
Data Structures & Algorithms Toolbox, Agile Scrum Training  
Software Development Processes  
Introduction to Computers & OS Security

## INTERESTS

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- Fitness, Travel, Football, Cinema