

# Gulshan Kumar

Verona, Italy

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## Summary

Data Analytics professional with proven expertise in Python, SQL, Power BI, and Tableau for developing interactive dashboards, forecasting models, and automation solutions. Adept at applying machine learning and AI-driven automation for analytics with strong communication and collaboration skills for cross-functional stakeholder engagement.

## Education

### University of Verona

Oct 2023 - Present

*MASTER'S, Artificial Intelligence*

- **Achievements:** Awarding with Fully Funded Master's Scholarship - University of Verona, Italy
- **Coursework:** Machine Learning & Deep Learning, Reinforcement Learning & Advanced Programming for AI, Natural Language Processing, HCI-Intelligent Interfaces, Planning And Automated Reasoning, Knowledge Representation

### IIT Department, Quaid-i-Azam University

Oct 2018 - Oct 2022

*BACHELOR'S, Information Technology*

- **Achievements:** Awarded with Fully Funded Bachelor Degree Scholarship - Quaid-i-Azam University, Pakistan
- **Coursework:** Cybersecurity, Data Science, Information Systems (Data Warehouse Concepts), Software Design Patterns, Mobile Computing, Deep Learning Fundamentals (Cognitive Class), Python 101 for Data Science (IBM), Technical Support Fundamentals (Google)

## Work Experience

### University of Verona

Aug 2024 - Sep 2024

*STUDENT RESEARCH INTERN - SURGICAL WORKFLOW ANALYSIS (PROF. DR. MARCO CRISTANI)*

Verona, Italy

- Conducted a comprehensive literature review on Surgical Workflow Analysis and AI methodologies, establishing a strong research foundation to support internal tool development.
- Evaluated key findings from machine learning applications in healthcare, contributing to enhanced understanding of AI/ML applications and current industry trends.
- Identified research gaps and proposed future study areas, aligning research directions with innovative AI project development practices.

### Pakistan Telecommunication Company Limited (PTCL)

Aug 2021 - Sep 2021

*ORACLE DB & LINUX OS INTERN*

Islamabad, Pakistan

- Designed and developed a user-friendly MySQL database, streamlining data access and supporting structured data handling for business use cases.
- Enhanced the database user interface to improve navigation and usability, resulting in higher user satisfaction.
- Implemented data integrity measures which boosted accuracy and reliability in decision-making processes, ensuring consistent data quality across backend services

### Pakistan Ministry of Science and Technology

Apr 2021 - Jul 2021

*TECHNICAL SUPPORT INTERN*

Islamabad, Pakistan

- Organized virtual and physical meetings for the Federal Minister and Secretary, enhancing communication.
- Enhanced employee productivity by promptly resolving technical issues for ministry staff, minimizing downtime and ensuring smooth workflow.
- Diagnosed and resolved complex networking issues, significantly increasing system performance and boosting team productivity through timely interventions
- Streamlined data entry processes to enhance efficiency, improve accuracy by 30%, and reduce record-keeping errors by 40%.

## Projects

### Economic Growth Forecasting System using AI & Machine Learning

- Built an AI system to predict GDP per capita, using linear regression, decision trees, and random forests.
- Integrated web development tools (Flask, HTML, CSS) and MySQL for data persistence.

## Skills

- **Programming Languages:** Python, C++, Java (Basic)
- **AI/ML & Data Tools:** TensorFlow, PyTorch, Keras (Beginner), Pandas, Scikit-learn, AI/ML Applications
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Databases:** MySQL, PostgreSQL, Oracle SQL
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, Flask
- **Operating Systems:** Linux (Ubuntu, Kali), Windows, macOS
- **Development Tools:** GitHub, Jupyter, Google Colab, Kaggle Notebook, Microsoft Office 365, Visual Studio, XAMPP
- **Soft Skills:** Leadership, Teamwork, Communication, Collaboration, Problem-Solving, Time Management, Initiative Taker