

Resume

1 Name: Kumar, Rithik
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2 Education

09/2022 – Present

B.Sc. Infotronic Systems Engineering

Hochschule Rhein-Waal | Kamp-Lintfort, Deutschland

- Focus: Data Analytics, Software Engineering, Communication Systems, Data Engineering and Embedded systems
- Relevant Courses: Software Engineering, Object-Oriented Programming (OOP), Distributed Systems, Advanced Simulation and Modeling, Data Science, Computer Networks, Scientific Programming, Database Systems

08/2020 – 08/2022

B.Sc. Computer Science

SZABIST | Karachi, Pakistan

- Focus: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming (OOP)

3 Work Experience

09/2024 – 11/2024

Intern – Data Analyst

Curvet Solutions | Karachi, Pakistan

- Developed and used SQL and Python to extract, clean, and prepare complex datasets for analysis
- Utilized MS Power BI to create interactive dashboards and reports that delivered actionable insights for stakeholders
- Effectively used the MS Office Suite (Word, Excel, PowerPoint, Outlook, Teams) for documentation, collaboration, and project management

04/2024 – 07/2024

Project Lead – Interdisciplinary Project

Omexom GmbH | Düsseldorf, Germany

- Conducted data-driven analyses using Power BI, SQL, and Excel to optimize a hydrogen generator
- Applied agile methodologies (Scrum) for sprint planning in Jira, regular coordination with stakeholders, and documentation in Confluence
- Successfully developed prototypes in collaboration with Omexom GmbH, focusing on data analysis and product management

08/2023 – 09/2023

Intern- IT and Systems

Habib Bank Limited | Karachi, Pakistan

- Documented and analyzed business requirements to support system setup aligned with HBL operations
- Captured best practices to enhance self-service reporting and troubleshooting
- Gained insights into banking technology's role in operations and decision-making

4	Projects		
	04/2025 – 06/2024	Distributed Vacation Home Booking System Hochschule Rhein-Waal	
		<ul style="list-style-type: none"> Led a 4-member team building a microservices system with Django and FastAPI Developed REST APIs, integrated MongoDB, and deployed services in Docker containers Set up Gitlab CI/CD pipelines and ensured inter-service communication Wrote comprehensive setup guides and documentation for deployment 	
	09/2024 – 12/2024	Northwind Company Analysis Hochschule Rhein-Waal	
		<ul style="list-style-type: none"> Explored the Northwind database with SQL to uncover trends in sales Built a dynamic Power BI dashboard leveraging DAX to present key insight on sales and customer metrics Cleaned and transformed data using Power Query and Excel to maintain accuracy and analytical reliability 	
	06/2024 – 08/2024	Predator Prey Model Hochschule Rhein-Waal	
		<ul style="list-style-type: none"> Conducted model analysis using Python and NumPy to visualize and interpret mathematical equations Authored a scientific paper in MS Word, incorporating in-depth data analysis and visualizations 	
	06/2024 – 07/2024	Type Fast Client Server Game Hochschule Rhein-Waal	
		<ul style="list-style-type: none"> Designed and developed a real-time JavaFX prediction game with multi-user client-server architecture for seamless interaction Developed Java server with sockets for multi-user management and dynamic five-round scoring to boost engagement 	

5	Skills		
	Languages	English	Advanced C1
		German	Intermediate B1
		Urdu	Native
	Languages & Frameworks	Python SQL JavaScript Java Kotlin Django FastAPI	
	Data & Visualization	Power BI Tableau Matplotlib Plotly Dash	
	Tools & DevOps	Docker Git Jira Linux MongoDB Snowflake	
	Other	Matlab Simulink Auto-CAD Fusion 360 SAP S/4HANA	
	Personal	Teamwork Project Management Strategic Planning Problem Solving	
		Analytical Thinking Strong Communication Responsible	