HERO BALA

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Professional Objectives:

Detail-oriented and innovation-driven aspiring data professional currently pursuing an M.Sc. in Open Informatics, with a growing passion for analytics, databases, and intelligent automation. Skilled in Python, Pandas, SQL, Excel, and visualization tools such as Matplotlib and Plotly for transforming raw data into actionable insights. Actively expanding knowledge in machine learning and artificial intelligence, with experience in developing modular data pipelines and automating workflows for scientific and technical applications. Proficient with collaboration tools including Jira and GitHub. Open-minded, adaptable, and highly motivated to take on any technical challenge—eager to learn and adopt new technologies quickly.

Category	Skills
Programming & Automation	Python (Pandas, NumPy, Selenium, requests), HTML/CSS, Basic JavaScript
Machine Learning & AI	Scikit-learn, TensorFlow (basics), Keras (basics), Model training & evaluation, Data preprocessing
Data Analytics & Visualization	ETL with Pandas, Matplotlib, Plotly, Seaborn, Advanced Excel, Learning Power BI & Tableau
Databases	SQL (PostgreSQL), Basic MongoDB & Firestore, Schema design & Querying
Software Development	Flask (Basic APIs), Git & GitHub, Learning CI/CD (GitHub Actions)
DevOps & Tools	Jira, GitHub Issues, Exploring Docker, Jenkins
UI/UX & Deployment	HTML/CSS, Bootstrap, Learning Figma & Tailwind, Firebase & Netlify Deployments

Education:

Pursuing an M.Sc. in Open Informatics at Mendel University in Brno (expected 2025), with a focus on software development, graphic design, machine learning, database management, UI/UX, artificial intelligence, and project management. Previously earned a B.Sc. in Electrical and Electronic Engineering from Bangabandhu Sheikh Mujibur Rahman Science and Technology University, where I graduated with 1st Class, securing 2nd merit position. Recognized with an Academic Achievement Award and actively contributed as a member of the EEE Union.

Academic & Industry Experience:

Previously served as a Lecturer in Electrical Engineering, where I developed and delivered structured learning modules to enhance student engagement and academic performance. I also provided mentorship to students in core technical areas, fostering practical understanding and critical thinking.

In the engineering sector, I worked as a Junior Engineer, contributing to technical issue resolution, process optimization, and internal knowledge-sharing initiatives that boosted overall team efficiency and collaboration.

Personal Interests:

Driven by a passion for solving complex problems through technology and collaboration. I value continuous learning, adaptability, and contributing to team success in fast-paced, agile environments. Outside of technical work, I actively seek opportunities to enhance creativity, strategic thinking, and resilience—traits I bring into every project and team I join.

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