**Brij Sharma** (**Immediately Available**)

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**Career Objective**

I am immediately available and looking for entry level opportunity in the field of data engineering and data science domain. I have good exposure of working on python scripting, databases and cloud-based application development. I am currently undergoing internship at IISC Bangalore DREAMLAB and working under guidance of research professionals.

**Education and Experience**

*Internship* [*IISC Bangalore Dreamlab*](https://dream-lab.in/)CurrentlyPursuing

*M. Tech (Data Science Engineering),* [Manipal University Jaipur](https://jaipur.manipal.edu/), RajasthanAug 2023 – Ongoing

*B.E. (Bachelors in Electronics and Communication Engineering), SKIT Jaipur, Rajasthan*  Aug 2018 – July 2022

**Projects**

**AI-Powered duet choreography** *| Python, Pytorch, LSTM*  June 2024

* This project merges AI and dance, focusing on duet choreography.
* It involves extracting pose data from duet videos and training AI models.
* The AI predicts Dancer #2's movements or creates new, physically feasible duet phrases based on Dancer #1's inputs.
* The model's outputs will be used in collaboration with the original dancers to inspire new performances.

**E-commerce Dashboard visualization** *| Power BI* October 2023

- Designed this project to create a comprehensive and interactive dashboard using Power BI to analyse and visualize key metrics and trends in an e-commerce business. This dashboard will provide valuable insights into sales performance, customer behaviour, and inventory management.

**Chatbot** *| Python, Dialogflow, MYSQL, Fast API* September 2023

* Developed a sophisticated chatbot for the food business.
* These key features were integrated in this chatbot –

**a.** Order placement, **b.** Payment support, **c.** Order tracking, **d.** Offer management, **e.** Store information

* Leveraged Dialogflow to configure and customize the chatbot’s conversational flow.
* Utilized Python for backend development, ensuring the robustness the scalability of server-side logic.
* Implemented the Fast API framework to build the backend server.
* Designed and maintained the database using MySQL, ensuring data integrity and seamless retrieval of customer information and order details.

**DOCBOT** *| Arduino, C++, Python* January 2022 – June 2022

* Designed and developed a medical robot for remote vital sign monitoring and data transmission.
* Programmed the Arduino using C++ to collect accurate vital readings, specifically focusing on temperature measurements.
* Implemented a predetermined path-planning algorithm to enable the robot to navigate autonomously.
* Successfully shared vital readings with doctors and healthcare providers via Bluetooth, facilitating remote patient monitoring and diagnosis.
* Conducted extensive testing and calibration to ensure reliable and precise temperature measurements.

# Achievements-

* Winner in a poster presentation on the topic – “[An approach for forecasting Neurodegeneration diseases using deep learning](https://www.linkedin.com/posts/brij-kishore-sharma_thrilled-to-share-my-achievement-eight-activity-7208033979013222400-LvmQ?utm_source=share&utm_medium=member_desktop)” in InnovateX under SSIC (International Conference on Smart System Innovations in computing)2023
* Best paper selection in the International Symposium on Data Science on the topic – “[Deep Learning Approach for Parkinson’s Disease Detection: Review, Challenges and Recommendations](https://www.linkedin.com/posts/brij-kishore-sharma_exciting-news-to-share-im-thrilled-activity-7208040864982401024-Ctl6?utm_source=share&utm_medium=member_desktop)” organized by ACM student chapter
* Patent published with Application No. 202311073993 A, Title- [Indian Classical Music Classification Model](https://search.ipindia.gov.in/IPOJournal/Journal/Patent)
* Participated in Hackathon (Elicit’23: Hackx 8.0) and made a website based on NLP organized by ACM student chapter
* Paper accepted in a conference on Intelligent Systems and Embedded Design (ISED 2023)- “[A Robust Efficient Architecture for Brain Tumour Classification and Identification using MRI Image](https://www.semanticscholar.org/paper/A-Robust-EfficientNet-Architecture-for-Brain-Tumor-Pathak-Chaudhary/ebcee4323740f9f42cee7e8c81b51eb137efb1b9)” (Under publication)
* Internship completed at Nectar Infotel on Data automation[[Link](https://www.linkedin.com/posts/brij-kishore-sharma_proud-to-announce-the-completion-of-my-activity-7208046853039280128-rCEC?utm_source=share&utm_medium=member_desktop)].
* Selected for a summer internship at IIT Kharagpur.
* Currently pursuing an internship from IISC Bangalore at DREAM Lab, where I am working on some innovative projects under the supervision of research professionals[[Link](https://www.linkedin.com/posts/brij-kishore-sharma_proud-to-announce-my-internship-at-iisc-activity-7208049701579866112-gShz?utm_source=share&utm_medium=member_desktop)].

# Certificates

* ”[Computer communications and networks](https://www.linkedin.com/in/brij-kishore-sharma/details/certifications/1718526185844/single-media-viewer?type=DOCUMENT&profileId=ACoAACkOmpoBSb-J3mFsGM6inmUcQzZlek3i1rA&lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_certifications_details%3BIp5Sls%2BbRYK6IrOPtNRvwg%3D%3D)” from Saylor Academy.
* ”[Web scraping in Python](https://www.linkedin.com/in/brij-kishore-sharma/overlay/1718526776030/single-media-viewer?type=DOCUMENT&profileId=ACoAACkOmpoBSb-J3mFsGM6inmUcQzZlek3i1rA&lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base%3BVv5%2F15eHSHeyfKMHdCd0Tg%3D%3D)” from Great Learning.
* ”[AWS for Beginners](https://www.linkedin.com/in/brij-kishore-sharma/details/certifications/1718526954643/single-media-viewer?type=DOCUMENT&profileId=ACoAACkOmpoBSb-J3mFsGM6inmUcQzZlek3i1rA&lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_certifications_details%3BIp5Sls%2BbRYK6IrOPtNRvwg%3D%3D)” from Great Learning.
* ”[Programming in Python](https://www.linkedin.com/in/brij-kishore-sharma/details/certifications/1718527261933/single-media-viewer?type=DOCUMENT&profileId=ACoAACkOmpoBSb-J3mFsGM6inmUcQzZlek3i1rA&lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_certifications_details%3BIp5Sls%2BbRYK6IrOPtNRvwg%3D%3D) ” from Internshala training.

**TECHNICAL SKILLS –**

**Languages**: Java, Python, SQL

**Libraries:** Pandas, Matplotlib, Opencv

**Development platform**: Dialogflow

**Frameworks**: Fast API

**Developer Tools**: PyCharm

**Scripting Language:** UNIX shell scripting, PL/SQL

**Cloud Platform**: AWS, GCP