ANKUR ROY
Data Scientist

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Objective

Motivated, innovative and a real world problem solver is looking to fill the position of data science intern at your organization. Wishing to use research skills to help the organization to achieve its goals.

Experiences

Window Server Administrator | Infosys Limited | Nov, 2020 - Present
- Designed and implemented windows server solution with **agile methodology** for business requirements.
- Maintain and monitor system performance, system security, backup, and provide technical assistance.
- OS update and software deployment using Microsoft SCCM.

Mobile Application Developer | Freelance | Jun,2019 - Oct, 2020
- Developed beautiful and **AI** enabled native **android** and cross platform **flutter** applications on **MVM** and **MVVM** architecture for clients.
- Developed and integrated php APIs, firebase database, and firebase analytics with application.
- Managed a team of 6 developers and responsible to deal with clients for business.

Projects

Pneumonia Detection from chest X-Rays images 🔗
- **EDA** on the National Institute of Health chest x-ray dataset consists of 112,120 images of 30,805 patients.
- Cleaning and processing dataset by normalizing intensity, image augmentation, image resizing with **Keras**.
- Training and fine tuning of neural network, application model architecture used **VVG16** and **ResNet50**.
- Tried to implement the **CheXNet** research paper.

Germany's Electric Market Case Study 🔗
- Analyze and Forecast Electricity Market in Germany using **Recurrent Neural Network**.
- Cleaning and processing large volumes of Germany's power generation and consumption data with **pySpark.**
- Produced and presented relevant reports and visualizations.

Gharelu Chat 🔗
- Cross-Platform mobile chat application for helping expecting mothers to keep them connected in emergencies.
- Active user **location tracke**r, SOS alert on **fall detection**, health checkup scheduler and medicine reminder.

Education

BSc Computer Science (Honours) | University of Delhi | 2020
Minor in Mathematics (Calculus, Linear Algebra, Differential Equations, and Numerical Methods).
Score - 8.16 CGPA

Senior Secondary Education | Sant Nirankari Public School | 2017
Science Stream with Computer Science.
Score - 88.75%

Secondary Education | Sant Nirankari Public School | 2015
Score - 8.80 CGPA

Certifications
- Advanced Data Science with IBM Specialization, **Coursera**.
- IBM Data Science professional certificate, **Coursera**.
- Geospatial Applications for Disaster Risk Management, Advance Module, **ISRO and UNOOSA.**
- Geospatial Applications for Disaster Risk Management, Basic Module, **ISRO and UNOOSA.**
- Flutter Development Bootcamp with Dart, **Udemy.**

Achievements and Volunteer Experiences

- **Rank 31** in DUET 2020, MS Computer Science.
- **Rank 50** in DUET 2020, Masters in Computer Applications.
- **Speaker** for Flutter Meetup event by Android Developer Club at **Google, Gurugram**.
- Holding more than 10 **IBM badges** in **Artificial Intelligence**.
- **President** of **Physics Society**, Sant Nirankari Public School, 2017.

Skills

Language: Python, Java, Dart, C++, HTML, CSS, SQL, Git, Bash, Powershell.
Database: IBM DB2, mySQL, SQlite.
Technologies: Flutter, Android.
Libraries: Numpy, Pandas, Sklearn, Pydicom, PySpark, Keras, PyTorch, TensorFlow.
Visualization: Matplotlib, Seaborn, PowerBI, Tableau, AdobeXD.
Cloud Platform: IBM Cloud, Microsoft Azure.
Server Administration: Windows Server 2012 r2, Windows Server 2016 r2, SCCM.
Development Environment : MacOS, Linux, Windows.