

Mohd Shahid Khan Afridi

UG, Dept. of Computer Science & Engineering & Minor in IME

Indian Institute of Technology, Kanpur

✉ afridi@iitk.ac.in

☎ 9682334562

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CGPA/%
July'2020(expected)	B.Tech.	IIT Kanpur	7.4/10
March'2016	XII(CBSE)	J.N.V. Bundi (Rajasthan)	93 %
March'2014	X(CBSE)	J. N.V. Poonch (J&K)	10/10

SCHOLASTIC ACHIEVEMENTS AND AWARDS

- **KYPY Scholar.**
- Qualified for **Indian National Chemistry Olympiad**, securing rank among **national top 1%** in NSEC 2015.
- Qualified for **Indian National Physics Olympiad**, securing rank among **national top 1%** in NSEP 2015.
- **Merit** for exemplary performance and obtaining Grade A1 in all five subjects in Class X CBSE.
- Written **PSA** (problem solving assessment) 2014 conducted by CBSE with **98+ percentile in reasoning**.

INTERNSHIP

SCHLUMBERGER | Software Engineer

[May'19, July'19]

Objective	Break the Monoliths in ILX (Inner Logix: A software used for data transfer and data quality management)
Approach	<ul style="list-style-type: none">● Broke the ILX functionalities into small, independent and parallelly processable microservices● Shifted the data transfer system from usual sequential to a streaming architecture using Kafka● Recreated and deployed microservices on various Virtual Machines and made them remotely accessible using Web API
Technology Used	<ul style="list-style-type: none">● Dotnet core, Kafka messaging queue, Threading, VMs, Http messaging, C#, OOPs, microservices
Achievement	Got Pre-Placement Offer

TECHNICAL SKILLS

1. Programming:

- good at C/C++, Introduced to **C#, OOPS, R, Octave, Html, CSS, PHP, Latex, MySQL, MongoDB**
- Introduced to Scripting language **Python, Awk, Bash**

2. Framework / Technology: worked on MEAN, LAMP, Dotnet Core, OpenGL, OOPS, DBMS, Kafka

2. Operating Systems : Windows, Linux

PROJECTS

1. Automated Image Captioning: || Machine Learning || Prof. Piyush Rai || [Aug'18, Dec'18]

Objective: To develop a **Neural Network model** for image caption generation

- For feature extraction, used **CNN resnet 152** model with pre trained weights
- For decoding used series of LSTM cells
- Used Cross Entropy Loss for optimization of parameters of LSTM Cells using back propagation

2. UGP: Online Customer Intention predictor || Machine Learning || Prof. Shankar Prawesh || [Aug'19, Dec'19]

Objective: To classify the purchasing decision of an online website visitor based on his history:

- Trained using ~12000 sessions of online customers across different regions, devices and months of year
- Used **Random Forest, SVM** and **MLP** with varying tuning parameters to train the model
- Optimization was done using **oversampling**, under sampling and **feature selection** techniques

3. 3d-Car Racing Game: || Graphics || Prof. Vinay P. Namboodiri || [Aug'19, Dec'19]

Objective: To develop a car racing game using various graphics techniques

- Developed a car game from scratch using C++ and **Opengl** having features: difficulties, rewards, animations
- Used techniques: transformation, shadow and light, **Ray tracing**, **texture** mapping and Physics animations

4. E-commerce Database management system: || DBMS || Prof. Arnab Bhattacharya || [Jan'19, Apr'19]

Objective: To design and implement database management system for an e-commerce website

- **LAMP** framework used, **SQL** to create and manage database, **PHP** to connected front end
- Queries were designed and integrated, encryption was done, authentication APIs were integrated

5. UGP: market Research: || Marketing Management || Prof. Shankar Prawesh || [Aug'19, Dec'19]

Objective: To study the cross-cultural aspect of online marketing in J&K and rest of India

- Questionnaire consisting of 30 questions was conducted using convenient sample from both the regions
- **Geek Hofstede's theory** of cultural dimension, and **VSM 2013** questionnaire and methodology was used

Results: Customer in J&K are more reluctant to change, risk and **uncertainty** also they have higher **collectivism** compared to rest of India. Suggestions were focused on risk reduction, trust gain and collective marketing.

CASE STUDIES

- **ITC e-choupal**
- **Consumer Behavior in mobile purchase**

RELEVANT COURSEWORK

Programming

Fundamentals of programming with C, Data Structure, Design and Analysis of Algorithms, Graphics, DBMS

•

Analytics

Probability and Statistics, Game Theory, Machine learning, Undergraduate Project on Marketing Analytics

•

Marketing and Management

Marketing Management, Consumer Behavior, Game Theory, Undergraduate Project on Market Research

•

EXTRA-CURRICULAR ACTIVITIES

- Represented **Badminton Team** in various sports events at school and College level
- Participated in regional **cultural meets**, scout and guide, Sanskrit ghayan pariksha and green Olympiads
- Participated in Cluster level **science exhibition** with events of seminar, declamation, debate and quizzes

SPECIAL INTERESTS || HOBBIES

- **Designing, Painting and Oratory**
- **Social volunteer ship (active member of Dakshana NGO)**