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Education

Jamia Milia Islamia

Post Graduate Diploma in Computer Applications

📅 Aug. 2022 – Present

📍 New Delhi, India

Aligarh Muslim University

Bachelor of Science Honours in Mathematics with minors in Statistics and Physics

📅 Aug. 2019 – July 2022

📍 Aligarh, India

Experience

Chegg Inc.

Subject Matter Expert

📅 September 2022 – Present

📍 (Remote)

- Solves problems relating to the field of Statistics and Computing.

Taibah University

Research Intern

📅 November 2021 – Present

📍 Medina, Saudi Arabia (Remote)

- Working on a model which can be deployed on resource limited handheld/embedded devices for concrete crack detection.

Projects

Automated Face Recognition Based Attendance System | Python, OpenCV

- Developed a facial recognition based attendance system which automatically marks attendance by identifying and verifying a person's facial features to expedite the daily attendance process.
- Used Haar cascade Algorithm for face detection.
- Deployed a Flask-based web application for web-based interaction.

Climate Change Forecast of Delhi | Python, Scikit-learn

- Developed an ML model based on Time Series analysis to obtain useful results and statistics using the time series dataset of climate change forecasts.
- Presented results using Seaborn, Matplotlib, and Statsmodels

Arduino Based Ambient Light | C++, Arduino

- Developed an Arduino-based ambient light for a monitor that captures pixels around the monitor and illuminates the LED behind it according to the color of the pixels to create immersive effects and to reduce eye strain as well.
- WS2812b RGB Strip light was programmed with C++ and FastLED library.

Olympia Academia Website | HTML, JavaScript, CSS, Google Cloud Console

- Designed and developed a lightweight, minimal website with HTML, JavaScript, and CSS.
- Optimized the website for organic and unpaid traffic (SEO).

Technical Skills

Languages: Python, Java, C/C++, MATLAB, HTML/CSS, JavaScript, SQL

Libraries: Tensorflow, Flask, Keras, NumPy, Pandas, Matplotlib, ScikitLearn

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Git

Technologies/Frameworks: Google Analytics, Linux, GitHub, WordPress

Symposium/Workshops/Hackathons Attended

- Delegate at **HPAIR Harvard Conference 2023 (HCONF)** organized by the **The Harvard Project for Asian and International Relations, Harvard University, Cambridge, Massachusetts, United States** [[Certificate](#)]
- Participated in **6th Summer School on AI** organized by the **Center for Visual Information Technology (CVIT), International Institute of Information Technology, Hyderabad, India** [[Certificate](#)]
- Participated in 7-days workshop on **Cyber Security Essentials** organized by the **Department of Computer Science, Aligarh Muslim University, Aligarh, India** [[Certificate](#)]
- Participated in 3-days online workshop on **Art of Successful Project Management** organized by the **Department of Computer Science, Aligarh Muslim University, Aligarh, India** [[Certificate](#)]
- Participated in **CodeHeat March Challenge** Organised by **CodeChef ZHCET Chapter, AMU** [[Certificate](#)]

Professional Development

Deep Learning Specialization [[Certificate](#)]

📅 Feb. 2022

Deeplearning.ai, Coursera 'Specialisation'

📍 (Online)

- Five courses of the Deep Learning Specialization covering Convolutional Neural Networks and Sequence Models.

Extracurricular / Volunteer Experience

Volunteer - Sir Syed Global Scholar Award (SSGSA) [Jul. 2022 - Present]

Helping in propagating various educational outreach events on social media to the last mile.

Co-organized an online scientific Talk by Thomas J. Buckholtz in Olympia Academia, AMU [Oct. 2021]

Co-organized a scientific talk by Thomas J. Buckholtz (Research Associate, Ronin Institute) on "The Tiny and the Vast: Predictions about Elementary Particles, Dark Matter, and the Cosmos."

Member of Google Developer Students Club - AMU Chapter [Aug. 2021 – Present]

Developer Student Clubs are university-based community groups for students interested in Google developer technologies.

Volunteered - ActionAid India [Apr. 2020 – July 2020] [[Certificate](#)]

Created social media micro-campaigns to raise awareness about COVID-19 and to solicit donations to support relief efforts in India.

Vice President and Technical Lead - Olympia Academia [Sep. 2019 – Present]

Co-founded Olympia Academia, AMU's first mathematical sciences society. Contributed to bringing new members by creating a website and social media handles.

Member - CSS (Computer Science Society) [Sep. 2019 – July 2022]

Developers Community of Department of Computer Science, Aligarh Muslim University, Aligarh.

Member - AMU-OSS [Sep. 2019 – July 2022]

A group of open source enthusiasts at Aligarh Muslim University.

Tech YouTuber [Dec. 2012 – Present] [[Link](#)]

Produces video reviews of consumer electronics and technology guides.