SHLOK SAH

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OBJECTIVE

To work as a data researcher in the field of data science to solve real world problems, with contributing enthusiasm, dedication, responsibility combined with a desire to utilize my skills obtained through industry experience.

EDUCATION

The Ohio State University, Columbus, OH   **January'21 – December'22 (Expected)**
Master of Science, Computer Science and Engineering   GPA- 3.76/4.00

National Institute of Technology (NIT), Kurukshetra, India   **July'15 – May'19**
Bachelor of Technology, Electronics & Communications Engineering   GPA- 8.73/10.00

EXPERIENCE

American Express, Gurgaon, India   **June'19 – January'21**
Programmer Analyst, Enterprise Digital & Analytics
- o Analysed large amounts of data to develop, review, and execute economic & analytical solutions to drive profitable marketing
- o Created a HiveQL based monthly process to prepare portfolio level data of International card members (60MM+). Developed complex queries extracting and joining source level information from multiple tables and data bases within big data environment.
- o Optimized the US upper funnel process by identifying and removing process dependencies on data with later SLAs; added multiple levels of automated quality checks (QC) to reduce human intervention resulting in reduced SLA by 30%.
- o During Covid-19, developed Pyspark based Ad hoc report to identify weekly KPIs in US market (50MM+) for business leaders to take decisions on retaining card members; successfully met TTM deadline in work from home.

PROJECTS

ATLAS, American Express   **August'19 – January'21**
- o An initiative to create a Big Data-based analytical data layer by migrating from the legacy platform to centralize the portfolio-wide information in one place
- o Responsible as a researcher for designing and coding new logics using Hive and Pyspark to ensure data integrity in the new platform

Minor Project on Image Super-Resolution, NIT Kurukshetra   **July'18 – December'18**
- o Conversion of a low-resolution image to a high-resolution image using Convolutional Neural Networks without losing its structural and textural information
- o Worked on the code using Tensorflow (Python) to build a deep learning model

VOLUNTEER EXPERIENCE

Employee Engagement & Innovation Team, American Express   **March'20 – December'20**
Volunteer
- o Orchestrated weekly virtual activities to encourage employee engagement and connectiveness with the team
- o Researched and presented on various topics which were beneficial to team members for career growth in Fin-Tech space.

Placement Co-ordination Committee, NIT Kurukshetra   **July'18 – May'19**
Student Member
- o Established a close communication and coordinated between students and recruiters throughout the hiring process
- o Trained new student members on soft skills, protocols, and logistics knowledge required in preparation for placement duties

SKILLS

Programming Languages: C++, Python, Hive ,SQL   **Languages**: Proficient in English and Hindi

IDE Tools: Jupyter, CodeBlocks, VSCode, MS Excel