MAITRI SHAH

maitridshah55@gmail.com | 306-570-7929 | Regina, SK | linkedin.com/in/shah-maitri-055

WORK EXPERIENCE

University of Regina   Sept. 2024 – present
Teaching Assistant – CS 335: Computer Networks, CS 215: Web & Database Programming   *Remote, Canada*
- Conduct **impartial grading of assignments** and exams according to guidelines.
- Deliver **timely and constructive feedback** to students, contributing to a positive learning environment, and collaborate with instructors to address grading-related matters.

Days Inn, Regina, SK   Jan. 2024 – present
Front Desk Representative   *Regina, SK*
- Providing **general information to staff, clients and the public regarding company**, departmental or program rules, regulations and procedures.
- Managing multiple tasks simultaneously such as working with reservation systems and office software, handling calls, emails and fax.
- Respond to **telephone, in person or electronic enquiries** and photocopy & collate documents for distribution, mailing and filing.
- Maintain and prepare reports from manual or electronic files, inventories, mailing lists and databases.

Brainbean Technolabs Pvt. Ltd.   Jan.2022 – Aug. 2023
Robotics Engineer   *Anand, India*
- Acquired knowledge of programming microcontrollers (e.g., **Arduino, Raspberry Pi**).
- Worked with various sensors such as **LIDAR, cameras, IMUs** and applied sensor fusion techniques.
- Designed circuit for various projects.
- Completed various projects like **3D-scanner, shortest path developer robot, obstacle avoidance robot** and was working on warehouse item picker robot.

SKILLS

- **Languages:** C/C++, Python, Java, JavaScript, SQL, XML/JSON, HTML/CSS
- **Frameworks:** Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, SciPy, TensorFlow, Keras, PyTorch
- **Cloud/Database/Tech-stack:** MySQL, AWS services, Azure services
- **Tools:** Visual Studio, Tableau, Power BI, Git, Jupyter Notebook

EDUCATION

- **University of Regina**   Regina, Canada
  MSc Computer Science – Data Science   Aug 2023 – present
- **Gujarat Technological University**   Ahmedabad, Gujarat
  Bachelor of Engineering – Computer Engineering-(9.52/10)   2018 – 2022

PROJECTS

GradeIt | Python, Machine Learning, Two-phase algorithm
- Created a model to find association between student grades and interaction to course website during E-learning. (Based on market basket analysis)

Object Detection | Python, YOLOv8
- Fine-tuned YOLOv8 to detect crosswalk, traffic-light, and bollard. Implemented on a static image dataset and achieved 86% precision.

Image-Text data fusion | Python, Machine Learning, Cross-modal matching CNN algorithm
- Created a model to associate objects in the image and generate text & generate an image using given text.

VOLUNTEER

University of Regina – International Peer Advisor   Aug. 2024 - present
IEEE Canada - Registration Assistant   September 2023

ACHIEVEMENTS

- MYSY Scholarship   2018 – 2022
- First class with distinction in Bachelor of Computer Engineering

REFERENCES

Available upon request