Gazal Jain

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EDUCATION

International Institute of Information Technology, Naya Raipur, Chhattisgarh, India

Bachelor of Technology *August 2017-Present*

Computer Science & Engineering *CGPA: 9.29/10 (till 6th semester)*

Delhi Public School,Risali, Bhilai, Chhattisgarh, India

Class XII, AISSCE, CBSE (Science) *August 2015-2017, Percentage: 93.4*

B.S.P S.S.S Sector-10, Bhilai, Chhattisgarh, India

Class X, AISSE, CBSE *April 2013-2015, CGPA: 9.80*

WORK EXPERIENCE

Market Technology Engineering Intern, Nasdaq, Bangalore *June'20 - ongoing*

Manager: Mahesh Kolari, Mentors: Maria M. Thomas,Chittaranjan Velambur Rajan
- Optimizing search engine by implementing null-result handling functionality, and recommendation functionality based on user's past search history and devising algorithm using word-embedding for calculating relevance scores.
- **Tech Stack:** Elasticsearch, ReactJS, Flask, numpy

Summer Research Intern at Robotics and AI Lab, IIIT-Allahabad *May'19 - July'19*

Mentor: Prof. G. C. Nandi, IIIT Allahabad
- A Mask-RCNN model for real-time object detection and segmentation in videos and images.
- The model uses pre-trained weights on COCO dataset using resnet-101.
- **Tech Stack:** Python, Keras, Computer Vision, Deep Learning [GitHub]

PROJECTS

- **A CNN based approach to an integrated audio-video query answering system.** *May'19 - May'20*

  Mentor: Dr. Venkanna U, Asst. Professor, CSE, IIIT-NR
  - A 1-d CNN model which takes user query and document as input and produces one sentence answer as output.
  - **Tech Stack:** Python, Deep Learning, NLP.
- **ADR(Adverse Drug Reaction) prediction on social media data.** *Oct'19 - Jan'20*
  - Scraped live twitter data for ADR prediction and predicted ADR labels using SVM-model and designed website for doctors to store patient's medical history.
  - **Tech Stack:** Python, Selenium, Chrome Driver, Deep Learning.
- **Smart Fruit Warehouse and Control System using IoT.** *Feb'19 - April'19*

  Mentor: Dr.Venkanna U., Asst. Professor, CSE, IIIT-NR
  - A Fruit Warehouse System that giving monitoring control to users,preserves the fruit stored for days as per user by automatically adjusting parameters such as temperature,humidity,light as per the requirement of the fruit.
  - **Conference**: Paper accepted at **5th ICDSE-2019 in IIT Patna.**
  - **Tech Stack:** IoT, ThingSpeak, RaspberryPi. [GitHub]

TECHNICAL SKILLS

Languages:Python, C(intermediate),HTML5,CSS3,JavaScript,Latex.ReactJS,Flask,ElasticSearch

Libraries:Keras, NLTK, Scikit-Learn, OpenCV, Selenium, Matplotlib, NumPy, Pandas

Software and Utilities:Anaconda,Kibana, Oracle SQL, MS Word, MS Powerpoint,Git,Raspberry Pi

SCHOLASTIC ACHIEVEMENTS & EXTRA-CURRICULAR

1. Secured **1st place** in **Genpact's "Dare in Reality Challenge" 2020** among 1600+ participants.
2. **Event Head** of Coder's Crusade, a competitive coding event in Technovate 2019.
3. Recipient of **Chief Minister Scholarship**,full tuition fees waived off for three years.
4. Former Secretary of Music club of IIIT-NR (Capriccio) and also performed in many events.
5. Recipient of **PM scholarship** of Rs.11000/year for 4 years from **SAIL**.