RAJNEESH SHARMA

B.Tech (Computer Engineering)
(Google Code-In Mentor@TensorFlow)
(Full-Stack Developer @HouseHelp.in)

Contact

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Objective

Seeking a challenging position in a technical organization that can provide me with an opportunity to improve my skills and strengths in conjunction with the organizational goals and to attain excellence through experience.

Skills

- Version Control - Git
- Machine Learning/ Deep Learning
- PostgreSQL (RDBMS)
- React-Native
- Natural Language Processing
- Bash (Linux)
- Data Structures and Algorithms
- Object Oriented Concepts
- Competitive Programming
- Programming Languages
    - Python
    - C/C++
    - JavaScript
    - Java
- Back End Development
    - Flask
    - Django (Python)
- Front End Development
    - HTML/CSS/Bootstrap
    - ReactJS
- Python Libraries Used
    - Keras, Seaborn, Matplotlib,TensorFlow
    - Scikit-Learn,OpenCV
- Raspberry Pi

Educational Qualification

Z.H.C.E.T. , AMU - B.Tech (Computer Engineering)
2017-Present   *CPI : 8.602*

Projects

- **Breast Cancer Detection**
  Made a Deep Learning model to Improve Breast Cancer Detection on Screening Mammography using Convolutional Neural Network and Image processing.

- **Attendance Management App**
  (https://github.com/rajneesh44/ReactJs_client_Interface)
  Motive is to create a cross platform mobile app to reduce teacher's labor and ignore fake attendance using **Computer Vision**. App will be developed using **React-Native** and **FaceNet** model will be used after deploying.

- **Humanoid Robot**
  (currently developing)
  Working on a robot that will be quite similar to humans in walking, talking and other features.It will be having a vision and voice feature (**Computer Vision** and **NLP**).

- **Face Detection and Face Recognition System**
  (July 2019)
  Developed face detection and Recognition models using OpenCV, Dlib and FaceNet.

- **ABU ROBOCON 2019**
  (Oct 2018-Jun 2019)
  Dealt with the programming and electronic circuitry while making an autonomous and a manual robot.

- **VIRTUAL SURVEILLANCE/PRESENCE**
  (Jul 2018 - Aug 2018)
  Virtual presence is a Virtual reality (VR) controlled robot that can be used for several purposes (either formal or informal). I worked in the electronics and programming area and used several new things such as Raspberry pi.

- **WRC TECHNOXIAN (Micromouse)**
  (Jun 2018 - Aug 2018)
  Developed a maze solver robot that uses laser sensors and algorithms to solve maze in the least time.

- **ABU ROBOCON 2018**
  (Oct 2018 - Mar 2019)
  Developed two robots(Automatic and manual) using microcontrollers,various sensors and embedded systems.

- Other Skills
  - Arduino
  - SOLIDWORKS
  - RPA(Workfusion)
  - CorelDraw
  - MS-Office
  - Worked on: Motor Drivers,Motors(Encoder,Servo), Sensors (IR, LSA08,Ultrasonic,Hall).

References

Work Experience

- Current **Google Code-In** Mentor at **TensorFlow.**
- **Joint Coordinator** at AMURoboclub for session 2019-2020.
- Member of Robocon 2019 Team ZHCET(**Team Zephyr 3.0**).
- Member of Institution's Innovation Council(IIC-ZHCET) that worked under the supervision of **MIC-INDIA** and organized many workshops on different aspects.
- Software Intern at **INNODATA** in 2018.
- Former Volunteer at AMURoboclub in session 2018 - 2019.
- Member of Robocon 2018 Team ZHCET(**Team Zephyr 2.0**).

Achievements

- Got Five Stars in Python on HackerRank (mostly done medium and hard level questions).
- Participated and were in Top-15 among 80 teams in **ABU ROBOCON 2019.**
- Participated in TI **"Innovation Challenge"** organized by **'TEXAS INSTRUMENTS and DST INDIA'** and got selected for the quarter final round.
- Achieved AIR-3 in World Robotics Championship – **WRC Technoxian 2018 (Delhi).**
- Achieved AIR-50 in **ABU ROBOCON 2018.**

Certifications/Courses

Certifications
- Neural Networks and Deep Learning by **deepLearning.ai**
- Training and Internship on "**Data Analytics,Machine Learning and AI with python**" conducted by DIGINIQUE TECHLABS.
- Internship Certificate for "**Face Detection and Face Recognition using OpenCV**".
- Certificate of participation in a "*SCHOOL OF AI*" Hackathon.
- Training and Internship on Robot Process Automation using **WORKFUSION**.

Courses
- Neural Networks and Deep Learning by **deepLearning.ai**
- Machine Learning by **Andrew Ng**, course offered by Stanford.
- The Complete Web Developer Bootcamp.

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