

Sakshi Gupta

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OBJECTIVE

Experience in back-end development, data modelling and object-oriented programming with working knowledge of CRM and Spring Framework through projects and training programs, seeking an internship as software developer for the summer of 2021.

TECHNICAL KNOWLEDGE

Languages & skills: JAVA, MVC, REST API, JWT, JPA, MySQL, HTML, CSS, JavaScript, Data modelling, Python (Requests, NumPy, Pandas), C++

Hands on Work: OpenCV, Data Acquisition, Data Manipulation, Data Analysis, IoT, Image Processing

Platforms: Git, Sublime, MAVEN, Eclipse IDE, MySQL Workbench, Postman, MATLAB, Jupyter, GoogleCOLAB

EXPERIENCE & TRAINING

Ravionics Innovative Labs (*Internship*) Bangalore, India

May-August 2020

- Integration of front-end element created by front-end developers.
- Designed Java based software, login authentication application putting JWT validation to aid the users to secure their data.
- Developed shopping cart management system. This made sure that the user can add, remove, update or retrieve data as required. Also, kept record of supplier and the stock price and quantity of the products sold, so that necessary purchases could be made when items run out of stock.
- Developed a School Management software maintaining staff details and student details in brief. This aided the school officials to maintain records without filling forms all over again in the upcoming academic years. The records were designed in a structure so as they can be read in case of any urgency or can be updated in case of any errors.
- Designed an application to create Marksheets on the basis of the results of school students, reducing load on teachers by not carrying out heavy calculations to prepare child's academic records.

Robotics and Image Processing (*Summer Training*)

June-July 2020

- Learned kinematics of robots.
- Designed functional algorithms of Robotic Arms using MATLAB.
- Learned basics of Image processing
- Studied Research paper, performed necessary calculations and implementation to achieve desired results.
- Designed various image and video filters.
- Designed COVID-19 detection software using X-Ray scans (with 98% accuracy)

Data Science and Machine Learning (*Training*)

November 2019-March 2020

- Gained practical knowledge about Web Acquisition, OpenCV, various ML algorithms.
- Developed various projects under the guidance of mentor.
- Developed Facial Filters like Snapchat on images and live videos using OpenCV.
- Designed programs to predict and analyze given data as per requirement.

MLH Fellowship: Explorer Track

February 2021-Present (*Expected Graduation: April 2021*)

- Working on integrating frontend as per users requirements
- Learning to design efficient and user friendly UI/UX
- Creating Chrom Extensions for history tracking

EDUCATION

Guru Gobind Singh Indraprastha University, New Delhi
Maharaja Agrasen Institute of Technology
Bachelors of Technology in Electronics and Communication

August 2018 – Present
Expected Graduation – May 2022

Related Courses: Introduction to programming with Java, Programming with Data Structures, Java Algorithms, Data Science and Machine Learning

Ryan International School, New Delhi, India
High school (CBSE) with computer science

April 2014 - May 2018
90%

Related Courses: C++, MySQL, Data structures and algorithms

PROJECTS

Java	Machine Learning and AI	Internet of Things (IoT)	Other
<ul style="list-style-type: none">• School Management• Shopping Cart Management• Login Authentication	<ul style="list-style-type: none">• Predicting and Classification of data as per requirement• Image Captioning Bot• Interactive Bot• Movie Recommendation Program• Music Generator• ML based web service• Invisibility Cloak• Air Canvas• Face Recognition	<ul style="list-style-type: none">• Line following robot	<ul style="list-style-type: none">• Actions on Google (in two languages) – recognized by Google• Amazon Alexa Skills (in two languages)
