# RAJVEER

rajveer4886@icloud.com , niranjan4886rajveer@gmail.com
+91 9521752170
https://www.linkedin.com/in/rajveer-singh-29072b171/
https://rajveer0.wordpress.com/

## ACADEMIC DETAILS

| Year | Degree / Board | Institute | GPA / Marks(%) |
|------|----------------|-----------|----------------|
| 2022 | B.Tech in Engineering Physics | Indian Institute of Technology, Delhi | 7.161 |
| 2017 | XII (CBSE) | Arcadia academy, Kota Rajasthan | 85% |
| 2015 | X (CBSE) | JNV Dailwara Lalitpur | 9.2/10 |

## SCHOLASTIC ACHIEVEMENTS

• Samsung Star Scholarship: Recipient of the prestigious scholarship by Samsung awarded to 150 engineering students

• Certificate of Merit: Awarded by the Central Board of Secondary Education for good academic record in class X and XII

## EXPERIENCE

• **FarEye Technologies Pvt Ltd || Software Development Engineer 1 ||** *full-time*                    [ Oct, 2022 – Jan, 2023 ]
▫ As a part of Integration Team at FarEye, I integrated over 10 new carrier/client systems with the FarEye system and managed to resolve issues coming from the client side on these systems. This integration involves **Spring Boot, REST/SOAP, JavaScript , SFTP servers, AWS S3, databases, json/xml**

▫ secured First position in a three day internal development competition organized by FarEye in which we as a team of six replicated BookMyShow from scratch in which we used Java Spring Boot framework for backend, **PostgreSQL** for database, **ReactJS** and react Native for Web app and mobile App development for both end users and admin roles, end users can book their tickets while admin can post a new movie, theatre and shows.

▫ While working with the Integration Team at FarEye, I gained valuable exposure to interactions with **global clients** and honed my ability to manage and resolve their issues by delivering tasks on time. Through effective collaboration with cross-functional teams, I demonstrated strong communication and interpersonal skills.

• **Nexmatics Pvt. Ltd. Tamil Nadu || Software Development Engineer ||** *internship*                    [ May, 2021 – July, 2021 ]
▫ Designed and implemented a system for communicating with multiple sensors and cooling devices such as 18 fans and 4 pumps for weather and fertility control. The system included a server, client, and database in **Python and MySQL**, as well as an alert system for different thresholds.

▫ Created a robust front-end and back-end solution for logging data from 60+ sensors in 7 different regions, utilized Python libraries and framework for development and **automated fans and pumps** based on data from temperature and humidity sensors, which were stored in a database and read through servers to be utilized during restricted time frames.

▫ Applied machine learning techniques to implement **regression and decision-making** models, allowing for accurate prediction of values from dependent sensors.

## PROJECTS

• **Neural Network for multiclass classification of images**, (Prof. Sumeet Aggarawal | Prof. Jayadeva)                    [Nov, 2021]
▫ Developed a **Neural Network** model from scratch using **back-propagation** algorithm for classification of images

▫ Applied PCA in pre-processing and introduced regularization to avoid overfitting, achieved an accuracy of 98%

• **Implementation of an Online Burger Store** (Prof. Amit Kumar)                    [April, 2021]
▫ Developed a system having Multiple Billing Counters and Delivering facilities for increasing the efficiency of customer service. Used Min Heap for **queuing** the customer for billing and **Binary Tree** for completing delivery purposes

• **Storing hierarchical structure of a company** (Prof. Amit Kumar)                    [March, 2021]
▫ Created an Organizational Hierarchy to maintain the list of employees in a company. Used Search Trees for storing indexes on the records. Whenever possible tried to implement in O( log N ) time complexity and optimised space

• **Stock Management System for a firm**, (Prof. Srikantha Bedathur)                    [August,2020]
▫ Created a Stock Management System for a firm using **Parallel Programming** to access the purchase details of items

▫ Determines Stock of items along with their date of Purchase and filter out the items by Last date of Purchase, Purchase Period, and Stock remaining in the firm using **Merge Sort Algorithms** on **Linked Lists**

• **E-tex || [ Start-up IIT Delhi ]** ( Prof. Bipin Kumar )                    [ Sept 2018- Dec 2018 ]
▫ Used **Static and Dynamic Compression therapy** to develop a Textile - based product to Massage our Legs and arms while we are in a static or dynamic position, this compression is done by the bladder and compressor. I continuously try to design the bladder as a **sequential bladder** in which the air can flow from one bladder to another one with a time lag

▫ Attended **6th International Conference** on Technical Textiles and Nonwovens with our product prototype

## TECHNICAL SKILLS

- Programming & Tools: Java and Spring Boot , Python, JS, React.JS, React Native, MATLAB, SQL and NO-SQL, PostgreSQL and MySQL, Kafka, maven, HTML, CSS, Linux, Autodesk Inventor, MS Office, COMSOL
- Relevant Courses : Advanced Trading Algorithms(ISB), Trading Basics, DSA, Monte Carlo Simulation, Microeconomics, Macroeconomics, Probability & Stochastic Processes, Signals And Systems, Digital Electronics Computational Physics

## POSITIONS OF RESPONSIBILITY

- **Marketing Coordinator, Entrepreneurship Development cell (eDC):** [ Aug, 2020 – April, 2021 ]
  ◦ Leading a 3-tier team of 30+ executives to raise finances, managing endorsements and entrepreneurial tie-ups for the club, implemented a points-based system to increase participation of executives resulted in a 200% YoY increment
  ◦ Garnered highest ever sponsorship for India's largest E-Summit(virtual this year) by partnering with leading firms like *AWS, Jio Developers, Droom*. Organized talk with *geeks for geeks* and *LWT workshop* for technology enthusiasts.
- **Marketing Executive, Entrepreneurship Development cell (eDC):** [ April, 2019 - April, 2020 ]
  ◦ Acquired sponsorship deals, organized entrepreneurial events, and guest lecture talks throughout the year 2019.
  ◦ Organized and Managed Startup 201 sessions, MERAKI 1.0: A Case Study Competition(Jan 2020) along with Team.
- Aquatics Captain, Jwalamukhi Hostel (Sept 2020 - Mar 2021): Guided teammates over how to play water polo and practice for it while in-home during lockdown using a ball and motivated them to learn new techniques and rules of the game.

## EXTRA CURRICULAR ACTIVITIES

- Social endeavours : In Pragya Mahila Bal Kalyan Gramodhyog Sewa Sansthan Bundelkhand, working as a facilitator for the farmers and motivated them to join Farmer Producer Organization for their betterment and provides good selling price for crops
- Institute Level Aquatics event(2019): Played water Polo as Vice-captain of hostel Aquatics Team with a contribution to the medal tally. Instrumental in winning, and Contributed to Inter-Hostel Sports General Championship, GOLD

## QUALIFYING EXAM

- Joint Entrance Examination (JEE) Advanced Rank: 1397 (OB)
- Joint Entrance Examination (JEE) Mains Rank: 1262 (OB)