

AKSHAT GUPTA

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EDUCATION

- **Shiv Nadar University** New Delhi, India
B.Tech in Computer Science (Junior Year); GPA: 7.48 *Aug 2017 – May 2021*
- **Delhi Public School, Rohini** New Delhi, India
Class 12, CBSE Board; Percentage: 93.5% *May 2017*

EXPERIENCE

- **Dell Hack2Hire** New Delhi
1st Position *Dec 2019*
 - **Winner:** Best solution proposition and implementation for hackathon conducted by Dell with over 30 participating teams. Best overall solution with feasible business application and increased revenue generation.
 - **Improved Product Recommendation Engine:** Designed for users' browsing habits across various IT domains to recommend customer specific products with minimal information retrieval. Used web scraping and feature optimization along with development of ML models to increase accuracy. Consolidated the above with Flask and basic front end development.
- **Defence Research and Development Organisation (DRDO)** Civil Lines, New Delhi
Machine Learning Research and Development Intern (LASTEC Lab) *May 2019 - July 2019*
 - **Emotion Recognition from EEG Signals:** Developed Emotion Recognition models using Machine Learning on EEG Signals using the DEAP dataset, to achieve an accuracy of 83.4%.
 - **Signal Transforms:** Researched and developed various signal transforming algorithms like DWT for feature extraction, optimizing machine learning models and train them.
- **HackData** SNU, New Delhi
Organizer and Curator *Sep 2018 - March 2019*
 - **Role:** Lead Organizer of Hackdata, Shiv Nadar University's annual Hackathon, which had participation from over 31 universities and a total of 60 teams.
 - **Responsibilities:** Responsible for curating teams, mentors and judges and ensuring smooth functioning of the event, co-ordination between the university administration and the organizing committee and the overall marketing of the event

PROJECTS

- **CPU Scheduler:** Designed a CPU Scheduler using Java to display different scheduling policies for various input processes. Implemented FCFS, Preemptive SJF, Non-Preemptive SJF, Preemptive Priority, Non-Preemptive Priority and Round Robin amongst various scheduling policies and algorithms.
- **Tourism Management Appliation:** This project was created in Java and MySQL and involves extensive GUI designing and databases and writing queries.
It is a tourism application developed as a project for the Introduction to Databases course in our university. It involves has both user and administrator interfaces, to interact with data and bring out the optimal tourist experience for any city in the Indian Subcontinent.
- **Text Editor:** Designed and implemented a full fledged text editor using Java. Included all basic features like inserting shapes and resizing them, selective text resizing, saving, opening, find and replace, and basic text editing.
- **Active Networks as Computer Architecture:** A Research oriented project exploring active networks and different ways how we can use them as a computer architecture for better and efficient computational models.

CERTIFICATIONS AND COURSES

- **Machine Learning A-Z : Hands-On Python and R in Data Science (Udemy)** *June 2019*
- **IBM Data Science Professional Certificate - 9 Courses (Coursera)** *July 2019*
- **Core Java with Data Structures (Coding Ninjas)** *June 2018*