Nayan Mongia

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Linkedin Profile
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EDUCATION

Master of Science, Computer Science, University of Florida, GPA: 3.66/4.00   **Jan 2021 — May 2022**
Relevant Coursework: Analysis of Algorithms, Advanced Data Structures, Computer Networks, Database Management Systems
Senior Certificate Program, Computer Science, University of Florida, GPA: 3.66/4.00   **Jan 2020 — May 2020**
Bachelor of Technology, Computer Science and Engineering, Amity University, GPA: 8.4/10.00   **Aug 2016 — May 2020**

SKILLS

Languages	Java, Python, C++, SQL, HTML, CSS, Javascript, Nodejs
Tools and Databases	Git, Github, UNIX, MongoDB, OracleDB, MSSQL

WORK EXPERIENCE

Sofgen Computer Consultants(P) Ltd.   **May 2019 - July 2019**
Software Developer Intern   Gurgaon,India
- Developed different modules of Enterprise Resource Planning (ERP) using VB and a SQL Database.
- Improved query response time by 40% through query optimization and caching.
- Added functionality of Data Analysis like regression and predicting customer buying patterns using ML algorithms in python by using the ERP Database.
- Incorporated SQL queries directly in python code for data analysis using Machine Learning.

PROJECTS

Netflix Data Analysis using Graphs   **January 2021 - April 2021**
- Analyzed Netflix data which contained over 100 million movie ratings from 480 thousand randomly chosen, anonymous Netflix customers over 17 thousand movie titles.
- Created a graph in java on Netflix movie-ratings using adjacency lists based on different criteria.
- Determined the movie suggestions for customer by finding out highest rated movies by other customers with similar taste and preference.

P2P File Sharing   **January 2021 -April 2021**
- Implemented a peer-to-peer file sharing system like BitTorrent in java using TCP and Socket programming.
- Features include choking/unchoking neighbours, chunking and merging, and maintaining data log.

UK Accidents Database Application   **January 2020 - May 2020**
- Developed a web-based application for visualizing and analyzing UK accidents data using complex and insightful SQL queries.
- The project uses HTML and Javascript for front-end and SQL queries and Oracle Database for the back-end.

Hashtag Counter   **January 2020 - May 2020**
- A project to find the n most popular hashtags that appear on social media sites such as Facebook or Twitter. Implemented by using Max Fibonacci Heap in Java.

Accessibility Everywhere   **January 2020 - May 2020**
- Developed a chrome browser extension for providing web accessibility features to users with low vision.
- Features include read mode, dark mode, font size, font style and color enriching mode

ACCOMPLISHMENTS & EXTRA-CURRICULAR

- **Scholarship (University of Florida):** Recipient of Academic Achievement Award - 2021.
- **Scholarship (Amity University):** Recipient of Dr. Ashok K Chauhan Scholarship (100%).
- **IARC Centre for United Nations —Ambassador:** Promoted United Nations International Decade for Rapprochement of Cultures and coordinated RIO+24 IDRC India Program in college campus.
- **Volunteer Work:** Organized a health camp in association with Fortis Memorial Research Institute Gurgaon for more than 300 Senior Citizens.
- **Certificates:** Coursera certificates for Customer and Operations Analytics, UN REDD+ e-Academy Course on Environment and Climate Change (Sept'16). United Nations RIO +24 War Peace - IDRC (Jan 2019).