

Anoop S. Khera

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OBJECTIVE: Computer Science and Engineering student seeking a full time position beginning after May 2021.

EDUCATION

Michigan State University, East Lansing, MI
Bachelors of Science in Computer Science

Expected Completion May 2021
GPA: 3.6

TECHNICAL EXPERIENCE

Application Development Specialist Intern
IBM - Lansing, Michigan

June 2020 - August 2020

- Created a DB2 Database using SQL to store data passed in through various API calls that would make it very easy to find and analyze the different data values
- Developed API calls with the Node.js Express module in order to send and retrieve data from databases to create user reports for easier data analytics
- Designed user reports using React.js to display JSON retrieved from databases in a more user-friendly format so that clients would be able to effortlessly analyze and organize data based on specific values they are looking for
- Established an in depth understanding of the complete Agile development cycle while constructing applications to meet client requirements through daily scrums, week long iterations, and client meetings

Application Development/Data Analytics Intern
Ford Motor Company - Dearborn, Michigan

May 2019 - August 2019

- Developed programs using different machine learning techniques, natural learning processes and libraries such as NLTK and sci-kit learn to convert unstructured data to structured data
- Formed a stronger understanding of Agile concepts and applied it to advance projects alongside a team of developers and engineers through several iterations

Sales Co-Worker
IKEA - Canton, Michigan

June 2017 - August 2017

- Performed product inventory of newly received consumer products to organize new material via Microsoft Excel
- Provided important product information through proper training to satisfy customer needs
- Maintained a clean working environment by following a specific schedule to allow customers to have a great shopping experience

RELEVANT COURSEWORK

CSE 331 - Data Structures and Algorithms

- Expanded knowledge of various data structures such as graphs, hash tables, maps, trees, etc. through programming projects while adhering to specific time and space requirements.
- Acquired a solid understanding of searching, sorting, and string matching algorithms as well as their time and space complexities.

CSE 335 - Object-Oriented Software Development

- Developed a comprehensive understanding of various object-oriented programming concepts and design patterns to solve several different programming problems.
- Established a knowledgeable understanding of programming methodologies, ethics, and effective communication strategies to lead to the successful completion of programming projects alongside a group of peers.

CSE 431 - Algorithm Engineering

- Gained a deeper understanding of algorithms and optimization to help create more efficient programming solutions.
- Expanded knowledge of algorithm analysis, design, implementation, and optimization for a broad range of problem categories including techniques to recognize and cope with intractable problems.

TECHNICAL SKILLS

- Experienced with Python, Pandas library, C++, C#, C, CSS, Javascript, Node.js, React.js, Vue.js, SQL, HTML, MATLAB, data structures and algorithms, object-oriented programming, time and space complexities, ARM, NLTK, and sci-kit learn
- Knowledgeable with APIs, GIT, GitHub, Jira, and Trello
- Proficient in Microsoft Office: Word, Pages, Excel, Numbers, and Powerpoint