

Anav Sharma

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EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science, Computer Science (Minor: Mathematics, Statistics)

Aug. 2020 – May 2024

- Relevant Coursework: Data Structures & Algorithms, Systems, Probability, Real Analysis, Computer Architecture, Linear Algebra, Discrete Mathematics, Multivariate Calculus, C Programming

EXPERIENCE

Integral Ad Science

New York, NY

Software Engineer Intern

Jun. 2022 – Aug. 2022

- Developed a backend REST API engine for generating actionable recommendations based on chart data using Java Spring Boot and Spring Cloud, Gradle, and Maven.
- Optimized backend workflow to allow for easier product integration for 200+ clients.
- Implemented integration tests using SQL and Spock testing for Groovy and Java to ensure robustness of code.

IMC Trading

Chicago, IL

Launchpad Program Participant

May 2022 – May 2022

- Analyzed and implemented market-making trading strategies over a 2-day program using in-house trading simulations, mathematical skills, and Python. Selected as 1 of 28 students to participate in the program.

WhizAI

Somerset, NJ

Machine Learning Intern

May 2021 – Aug. 2021

- Developed data visualization models with decision trees using XGBoost in Python.
- Worked with AWS SageMaker to develop, train, and manage models.
- Used the Scikit-learn machine learning library (Python-based) to evaluate data visualization models.
- Trained visualization models using Deep Java Library (DJL) to determine if it was more feasible than SageMaker.

Merck & Co., Inc.

West Lafayette, IN

Full-Stack Developer Researcher

Aug. 2020 – May 2021

- Developed a mobile application with React Native to communicate biometric data collected by fitness watches.
- Used Node.js and Express to develop a REST API for back-end development.
- Collaborated with a team of 20 engineers under the Agile Software development cycle for the entire school year.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, R, SQL, JavaScript, HTML/CSS

Technologies/Frameworks: Pandas, NumPy, scikit-learn, XGBoost, Spring, Maven, Spock, Docker, ReactJS, Node.js, Amazon SageMaker, Deep Java Library (DJL), DL4J

TECHNICAL PROJECTS

HTML Parser – C Programming Language

- Created an application that parses through and processes 50+ supported tags and attributes in an HTML file and outputs only the plain text within the file.
- Added various additional features including displaying distinct word and frequency count, and accounting for special HTML entities. Dealt with syntactical errors, improper nesting, and invalid tag matching present in the HTML file.
- Used only Standard C libraries for implementation.

LEADERSHIP/INVOLVEMENT

Strive Forward

Princeton, NJ

Volunteer Mentor

Aug. 2018 – Present

- Provided mental and emotional support for children of divorce by getting them involved in various activities (selling T-shirts, creating a business plan, social media marketing) and sharing my personal experiences with them.
- Created websites that contain static pages and dynamic pages such as carts and user-created content so that the children can have an online presence for their business ventures that they came up with.