

# ADITYA DHIR

## CONTACT



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## EDUCATION

### The University of Michigan, Ann Arbor

B.S.E Computer Science, Minor in Global Media Studies May 2024

Deans List and University Honors | 2021, 2022 & 2023

**Relevant Coursework:** Data Structures & Algorithms | Introduction to Machine Learning | Web Development and Information Systems | Database Management Systems | Software Engineering

## TECHNICAL SKILLS

- C++
- Kotlin
- Web Development
- SQL
- MongoDB
- Git
- React
- OpenCV
- Deep Learning
- Jira
- Java
- Python
- Matlab
- Statistical Analysis
- PostgreSQL
- AWS
- Elasticsearch
- Machine learning
- Data Visualization
- Google Cloud (GCP)

## SOFT SKILLS

- Effective verbal and written communication
- Problem-Solving
- Adaptable to different environments
- Curiosity and Learning Mindset
- Good interpersonal and collaboration skills

## INTERESTS

- Avid rock climber, biker, and hiker
- Cooking: Trying out new recipes and experimenting with flavors
- Team Sports: Play soccer and basketball for local leagues

## CAREER SUMMARY

Highly skilled and results-driven Computer Science Engineer with a proven track record of delivering production-quality solutions. Expertise in machine learning, software development, and database management. Skilled in generating actionable insights from complex data. Experienced in collaborating with cross-border global teams. Committed to continuous learning and driving innovation. Eager to make a significant impact in a fast-paced environment.

## WORK EXPERIENCE

### Machine Learning Engineering Intern

May 2023 - Aug 2023

#### Dish Network | Denver, CO

- Employed ChatGPT in conjunction with the OpenAI API and Elasticsearch to enhance content curation for the vast catalog (millions) of entertainment offerings
- Streamlined indexing of pre-trained models from Hugging Face into the content database for improved efficiency
- Achieved a 30%+ boost in the content curation process, with the solution I devised getting accepted and being pushed to production
- Received award for best embodying "Curiosity", 1 of 4 key company values, amongst my peer group of 72 interns
- Award citation reads **"Aditya is naturally inquisitive. He asks questions, builds relationships, and is able to connect with stakeholders easily through his interpersonal skills. Due to his ability to ask the right questions, driven by the desire to learn more ... he was able to identify a crucial and address a crucial pain point."**

#### Server

Feb 2023 - May 2023

#### Ann Arbor Comedy Club | Ann Arbor, MI

- Balanced rigorous academic commitments with customer service excellence as a waiter honing multitasking and interpersonal skills

### Software Development Engineer Intern

Feb 2021 - May 2021

#### Crownpeak | Palo Alto, CA

- Managed a GDPR/CCPA database comprising of more than 10,000 unique tags and cookies.
- Utilized SQL to efficiently organize extensive sets of RegEx queries within the database.
- Built a scalable database and ensured cookie compliance and integration into Tag Management Platform

### Data Science Intern

Jun 2019 - Aug 2019

#### Mindstrong Inc | Mountain View, CA

- Designed and conducted a study to investigate neural activity associated with motor control-based typing patterns on smartphones.
- Devised a comprehensive system comprising of an Android app, Web app, and Microcontroller-based Wi-Fi trigger, employing JS, HTML, and CSS.
- Integrated an EEG headset into the system to record subjects' electrical brain activity
- Analyzed the gathered data and leveraged pandas, MNE, and SQL to implement a robust database for further analysis.

## PROJECTS

### Seek and Assist Bot

- Constructed a robot equipped with advanced line-following functionalities, employing Computer-Aided Design (CAD), Arduino microcontroller, and Ultrasonic sensors
- Utilized Raspberry Pi and leveraged the power of OpenCV to design and execute efficient computer vision software for gun detection, achieving an accuracy rate of 90%.

### Google Simulator

- Implemented information retrieval concepts and parallel data processing with MapReduce.
- Scaled dynamic web pages and web search using Service-Oriented Architecture and REST APIs.
- Ensured data security and compliance with best practices by implementing IAM roles and encryption mechanisms