ARNAV JAIN

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EDUCATION

- *Master of Science in Computer Science | Specialization - AI, ML, & Data Science* **| Washington State University, Pullman |2023 – Present | CGPA:** *3.89/4.00*
- *B Tech. in Computer & Communication Engineering |Minors in Data Analytics* **| MIT, Manipal | 2018 - 2022 |CGPA**: *8.32/10.00*

TECHNICAL SKILLS

Python, C++, C, JavaScript, Angular, React, HTML, CSS, TypeScript, Bootstrap, RxJs, R, Java, SQL, MongoDB (Basics), Express (Basics)

RELEVANT COURSEWORK & CONCEPTS

Data Structures & Algorithms, Database Management Systems, Artificial Intelligence, Machine Learning, Reinforcement Learning, Network Science, Data Science, Neural Networks, Big Data Analytics, Web Security, OOP, Mobile Application & Web Development

WORK EXPERIENCES

SLATE Assistant | Washington State University, Pullman (Part-time Job**)** ***(March 2023 – December 2023)***

- I worked for the International Admissions Systems & Data Analysis team developing the portal for incoming WSU students.

Executive Analyst | Deloitte (DCM Vertical**) |** Bangalore, India ***(August 2022 – December 2022)***

- As a Front-End Software developer for the UI/UX Team (ACM) I engineered a dynamic B2B storefront application for an MNC.
- Built on Angular framework using various technologies like HTML5, CSS/SCSS, TypeScript, JS, RxJs, Bootstrap and more.

Intern | Cogent Technocom Service & Solutions LLP | Hyderabad, India ***(June - August 2021)***

- Developed a customized fully functional and interactive Indian Premier League – Cricket Quiz game on Microsoft Kaizala platform.
- Worked on the project from functional requirement gathering to the deployment of the final product.

ML Intern | SmartKnower | Manipal, India ***(October - November 2020)***

- Generated Image Classification of similar musical instruments and Sentiment Analysis of the context of content on social media
- Worked on the above models in Python using the scikit library and Logistic Regression, SVM, NLP, Naïve Bayes, and Decision Trees.

KEY TECHNICAL PROJECTS

Exploratory & Predictive Analysis of Health Outcomes ***(September 2023 – December 2023)***

- Performed exploratory data analytics and visualizations on the CHD and Diabetes to arrive at meaningful conclusions.
- We used ML algorithms like SVM, KNN, logistic regression, and Random Forest to predict associated health problems and their impacts that can be used to take helpful actions thereafter.

Navigability of Real-World Networks ***(March 2023 – May 2023)***

- Performed analytics on the real-world networks - visualization, correlation to small world phenomena, hubs/authority score, etc.
- Studied relationships between friends connected via Facebook.
- Constructed algorithm for the efficient route planning of the Minnesota roads to derive application-based conclusions.

Wildfire detection and Early Response System ***(March 2023 – May 2023)***

- Created a system that can detect forest wildfires and send in a quick emergency response message to address the situation.
- Used a hybrid of HSV slicing and neural networks.

LEADERSHIP, VOLUNTEERING & CO-CURRICULAR

- **Teaching Assistant |**Software Project Design I & II ***(Course: CPT_S 421 & 423, Washington State University, Pullman 2024)***
  Worked in assisting the Professor with conducting exams, grading assignments and more for both the courses.
- **Treasurer |** ISA, Washington State University ***(Indian Student Association, Pullman 2023 -2024)***
  I was the executive board member and worked towards catering to the Indian Community at WSU. We organize cultural and professional events keeping in mind the concept of Inclusion and Diversity and create a platform for people to network.
- **General Secretary |** MAFIA ***(Music and Fine Arts Club, Manipal 2020 - 21)***
  I was the executive board member of one of the oldest cultural clubs in Manipal with over 400+ members. Worked as the head and face of the club in dealing with the University Administration.