

# OMKAR MISHRA

## Curriculum Vitae

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### EDUCATION

- **ASHOKA UNIVERSITY, 2023**
    - PG.D. Advanced Computer Science Major, Entrepreneurship Concentration (2022 – 2023)
    - B.SC. (Hons) Computer Science Major, International Relations Minor (2019 – 2022)
  - **NARBHERAM HANSRAJ ENGLISH SCHOOL, 2019**
    - Grade XII - Graduated with Distinction (Indian School Certificate)
  - **DBMS ENGLISH SCHOOL, 2017**
    - Grade X - Graduated with Distinction (Indian School Certificate Examination)
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### WORK EXPERIENCE

- **IWMI | Data Analyst** Jun 2022 - Nov 2022  
*International Water Management Institute*
  - Created Stakeholder Sensemaker Frameworks for research on Gendered and Climate effects on Agriculture
  - Piloted and trained more than 25 enumerators about the Signification Frameworks for better understanding on ground.
  - Analyzed the Data points coming from more than 2000 interviews from both of the frameworks.
  - Curated a secondary data review of data collated from governmental resources for the past 10 years to clarify and correlate the data points coming out of the frameworks
  - Contributed to a preliminary paper on the patterns emerging from the Data review and analysis
- **SAWO LABS | Frontend Developer** Mar 2022 - Jun 2022  
*A Password less Authentication Platform for Businesses and Consumers*
  - Ideated and created an IP locator for increased GPS location security
  - Remodeled the Role Based Access Control frontend
  - Refined the React based Frontend of the Dashboard and remodeled the UI/UX to add more features and increase consumer interactions by 43 percent
  - Created Marketing and Educational material for the company, increasing the reach by more than 37 percent.
- **TRIVEDI CENTER FOR POLITICAL DATA | Software Developer** Jun 2021 - Mar 2022  
*A Political Data Management Company*
  - Produced an application from scratch using the Django framework for data management.
  - Created an SQL database management system to handle and update the LokDhaba dataset.
  - Used Restful APIs to handle communication between the Database and the application.
  - Handled the backend data as well as the frontend UX of the application using HTML and CSS elements.
  - Amplified the robustness of the application and making more than 1500+ clients nationwide access and update data simultaneously.
- **TRIVEDI CENTER FOR POLITICAL DATA | Data Engineer** Sep 2020 - Jun 2021  
*A Political Data Management Company*
  - Published two Datasets which tracked all essential variables for Chief ministers and Cabinet Ministers of a state since 1965 to the current data.
  - Improved the legibility of the data and its efficiency by clearing out variables using Python and R.
  - Remodeled and cleaned the available data to connect it to the existing company dataset.
  - Introduced a dashboard that could visualize and make it a lot more comprehensible to the user.
- **IPSOS ALONG WITH THE GOVERNMENT OF INDIA | RO Audit Manager** Jun 2020 - Jul 2020  
*Multinational Market Research and Consulting firm*
  - Collaborated with the Indian Government for the Swachh Bharat Project for deployment of the Audit application.
  - Enhanced the efficiency of the application by more than 40 percent, working on the React based frontend making the application more user friendly and helping in the usability by the Auditors.
  - Enabled more than 300 Auditors who spoke different languages to use the application and complete the process within the time limit of a month, which used to take more than three months.
  - Completed the installation and Audit of Water Purifiers in more than 1000 remote locations of Karnataka.

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## **PROJECTS**

- **BRO-K | Founder** **Sep 2022 - Present**  
*bro-k is a personal finance management platform that I am working on.*
  - Conducted Extensive user research with over 200 individuals to validate my problem statement and design the MVP.
  - Worked on a React Native based application that helps in budgeting saving and tracking personal expenses.
  - Created the backend for the project using a Firebase Real-time Database.
  - At this point the product is in a testing phase with over 100+ daily active users.
- **CRIME NAVIGATION | Capstone Project** **Jan 2023 – May 2023**  
*A crime avoidance navigation system for the city of Delhi.*
  - Scraped Governmental and non-governmental websites to gather crime information for the Delhi-NCR region.
  - Produced a map of the city with dangerous places marked with level of dangerousness according to the type of crimes that have been committed.
  - Created an algorithm using Map-Box, polyline and Turf to avoid the interferences layer on the map to give turn by turn directions for any two selected points..
- **WHATSAPP INFORMATION BOT** **May 2020 - Jun 2021**  
*A WhatsApp Bot to give you information relating all things in the university and beyond*
  - Refined the time efficiency by 50% by jumping through unnecessary steps in the code and simplifying it.
  - Integrated a system to tell you about the covid cases and vaccination status in your specific location or any location you chose by pulling data from government APIs.
  - Included a mapping section to guide freshers on campus to various classrooms and locations using specific keywords.
  - Remodeled the data delivery system to make it more useful and increase the userbase to more than 70 percent of current and fresh batches coming in.

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## **POSITIONS HELD**

- **TEACHING ASSISTANT | Infoedge, Center for Entrepreneurship | Ashoka University** **Aug 2022 –Present**  
*Worked with Professor Tushar Jaruhar, founder of edLightened.*
  - Curated and delivered a course - AI & Data Analytics, to a group of over 120 students
  - Curated and delivered a course – Financial Analytics and AI, to a group of over 60 students
- **CORE TEAM | Ashoka Debating Union** **Dec 2029 - May 2022**
  - Refined the Inclusivity of the Program by organizing more events pulling in lot more Freshers to join the club.
  - Partnered with Other members in training and mentoring new members of the union.
  - Initiated and Organized a Freshers Debate tournament Every year.
- **VICE PRESIDENT| Ashoka Technology Ministry** **Mar 2020 - Jul 2022**
  - Created and refined of the Campus Mess System, utilizing various React and JavaScript Elements
  - Helped the IT department in creating a much stable server for student usage, reducing outages by 27 percent and increasing coverage.
  - Leading a project to create an Information Bot for the whole Campus.

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## **AWARDS AND ACCOMPLISHMENTS**

<b>Next Genius Scholar   Next Genius Foundation</b>	<b>2019</b>
<b>Best Delegate   IIMUN</b>	<b>2019</b>
<b>Future Leadership Program   XLRI Jamshedpur</b>	<b>2018</b>
<b>Frank Anthony National Debate   ICSE</b>	<b>2017</b>
<b>TATA Speakers Summit For Suicide Prevention   TATA in association with XLRI</b>	<b>2016</b>