**Ankit kumar aggarwal**

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EDUCATION

**Yeshiva University, Katz School of Science and Health** New York, US

*Master of Science in Artificial Intelligence* Expected Dec 2024

**Guru Gobind Singh Indraprastha University** Delhi, India

*Bachelor of Technology; Specialization in Information Technology*  May 2008

RELEVANT PROJECTS

**Cow Health Management***,* Yeshiva University, New York, NJ January 2023 - Present

* Utilize cow breast pattern to identify and analyze potential health issues.

**Kinematics of Stewart Platform***,* Yeshiva University, New York, NJ February 2023

* Identified and analyzed Stewart Platform positions using numerical methods techniques.
* Implemented forward and inverse kinematics principles, and simulated motion of the platform.

**Exploratory Data Analysis***,* Yeshiva University, New York, NJ March 2023

* Diamond dataset to analyze and understand the impact of different parameters on selection.
* CPS1988 dataset to analyze impact of ethnicity, region, employment type on wages.

WORK EXPERIENCE

**Professional Services Consultant***,* Infovista, Delhi, India July 2017 – January 2023

* Improved operational efficiency by 30% and saved over $2 million by developing complex reporting solution on different voice (SIP, ISUP, Media), SMS, and data (GN, GTP) protocols.
* Closed deals worth $15 million in collaboration with pre-sales teams by providing customized solutions for existing as well as new prospects.
* Handled deliverables of over $5 million, working for tier-1 telecom customers across US/APAC regions like Verizon, AT&T, Sprint, Telefonica, Dialog, Vodafone, and Federal government.

**Entrepreneurship**  January 2015 – January 2023

* Founded and managed a profitable IT services, consultancy and training company focused on business intelligence solutions design and implementation for more than 5 years.
* Taught 2000+ students globally, including those from government agencies and Fortune 500 companies, in business intelligence tools.
* Collaborated with Fortune 500 clients to develop and implement effective business intelligence and reporting strategies and solutions.
* Assisted companies with migration projects, utilizing GCP, Looker, Cognos, and DevOps tools.

**Associate Architect***,* Nagarro Software Pvt. Ltd., Gurugram, India May 2016 – July 2017

* Saved over $1 million in expenses and increased efficiencies by sharing research insights across departments and clients on finalizing business intelligence reporting tools.
* Implemented physical and logical models for intelligence systems and designed applications to span multiple systems for a tier-1 US retail security products manufacturer customer.
* Created intelligence-sharing dashboards and gathered diverse data sources, resulting in improved company-wide data accessibility and decision-making processes.

**Technology Consultant***,* AgreeYa Solutions India Pvt. Ltd., Noida, India March 2014 – May 2016

* Conducted brainstorming sessions with clients to document business-specific requirements for multiple projects.
* Designed scalable applications for data extraction, analysis, retrieval. Created analytics solutions, data warehousing and detailed project progress reports covering updates, conflicts, and team activities.

**Senior Associate Consultant***,* Infosys Technologies Ltd., Pune, India January 2013 – February 2014

* Led a team of 5 associates in end-to-end reporting solution for new and existing clients, achieving defined timelines, and distributing tasks as per delivery plan.
* Migrated inhouse product reporting platform Cognos reports to Jaspersoft and Birst, resulting in cost savings of over $1 million in Licensing and increased customer retention.

**Business Intelligence Analyst***,* IBM India Pvt. Ltd., Pune, India February 2011 – January 2013

* Over 90% reduction in manual intervention through ETL process automation and monitoring dashboard.
* Implemented a strategic business intelligence roadmap for over 100 terabytes of reporting database.
* Managed team of 10+ members performing providing 24/7 support for critical business applications.

**Software Engineer***,* Nucleus Software Exports Ltd., Noida, India June 2008 – February 2011

* Developed business intelligence reports for Ally Financial Services in over 7 european countries, utilizing wide range of visualizations and custom templated reports.
* Customized reports by implementing breaks, filters, sorts, and managed application and database server deployment. Additionally, created relational and dimensional metadata models for the banking solution.

TECHNICAL SKILLS

**Languages:** Python, R, Shell Scription, Batch Scripting, C++, SQL, PL/SQL

**Technology:** Computer Vision, NLP, Numerical Methods, Statistics**,** Neural Network, Business Intelligence, Artificial Intelligence, Machine Learning

**BI Tools:** Cognos, Microstrategy, Crystal Reports, Tableau, Power BI, Google Looker

**Databases:** MongoDB, DB2, GCP (BigQuery), PostgreSQL, Oracle, SQL Server, Snowflake

**Operating Systems:** Windows, Linux, Unix, Suse, CentOS

ACTIVITIES

***YU Innovation (Shark Tank)***, ***Ethical Impact award winner*** for successful pitch of a startup idea March-2023

***Cyber Security Hackathon****,* Security Operations Center, (organized by Cyberbit), New York March-2023

Certifications

IBM Certified Cognos BI Solution Expert IBM Certified Cognos BI Report Author

IBM Certified Cognos BI Metadata Modeler IBM Certified Cognos BI Administrator