

Manish Kolla

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EDUCATION AND HONORS

Georgia State University (Honors College) Atlanta, GA
Bachelor of Science in Computer Science, Certificate in Data Science
GPA: 3.88

May 2025

Awards: President's List (Spring 2022, Fall 2022), Dean's List (Spring 2023, Fall 2021, Fall 2023), US Presidential Tuition waiver

Relevant Coursework: Data Mining, Fundamentals of Data Science, Data Structures, System Level Programming, Design Analysis and Algorithms, Computer Organization and Programming, Software Engineering, Programming Language Concepts, Machine Learning, Linear Algebra, Probability and Statistics.

Campus Involvement: Indian Student Organization (Vice President), Association for Computing Machinery, Math and Stats Club

WORK/INTERNSHIP EXPERIENCE

Undergraduate Research Analyst/ Data Scientist

September 2022- Present

Evidence Based Cybersecurity Research Group (EBCS), Atlanta, GA

- Developing and implementing web automation framework to retrieve data from Clearnet, Darknet, and Telegram using Selenium and chrome/tor web drivers and debugging several web scrapers which boosted the workflow efficiency by 60% and accuracy up to 90% in scraping of web forums. Using CRISP-DM and ETL approaches for Data scraping and reporting the results.
- Operating data cleaning and data management techniques to ensure the quality and accuracy of the data for analysis and further data visualization and creating interactive dashboards for the sponsors and criminology and criminal justice professors.
- Leveraging machine learning and data mining to build LLM to help identify patterns and trends in the data and using predictive analysis and training neural networks to forecast the newly evolving catastrophes from the underground markets using Virtual Machines powered with Ubuntu and PowerShell for advanced protection from malware threats from underground markets.

STEM Tutor

January 2022- Present

Department of Mathematics and Statistics, GSU, Atlanta, GA

- Assisting students with a class size of 40-50 on various kinds of math doubts and teaching them the topics they have difficulty understanding.
- Interacting with professor during the lecture halls and proctored during examinations organizing quizzes in absence of professors.
- Interacting with the professor regularly and getting updates on the topic's students have difficulty in understanding and organizing group study sessions for those students. Tutored more than 500 happy students and received "Best Tutor Award for Academic Year Fall 2023."

Information Technology Intern

June 2023- August 2023

Lavner Education, Atlanta, GA

- Maintenance of on-site computer hardware, including desktops, laptops, printers, peripherals, ensuring they are functioning optimally and up to date for the students and managed the inventory of hardware and software assets and troubleshooting them when required.
- Taught and graded assignments for a class size of 50 middle/high school students in Python, C, Machine Learning and Artificial Intelligence.
- Debugged student codes, project backups, and computer clean-up to ensure all systems are running smoothly and communicating with HQ timely and providing recommended solutions rapidly based on the tickets for a faster workflow.

TECHNICAL SKILLS

Programming Concepts- Python (Anaconda, Data Mining, Natural Language Processing (NLP), Machine Learning (ML), Predictive Data Analytics, Web Scraping, Web Automation, Selenium, BeautifulSoup), R studio, Database systems (SQL), Data Analytics, Linux (Ubuntu OS), HTML, CSS, Kali, AWS Console, C. Skilled in Microsoft and Linux Operating Systems with additional expertise in remote systems and Virtual Machines.

Certifications- Google Data Analytics Professional Certificate, Google Project Management Professional Certificate, AWS Fundamentals Specialization*, Code path Cybersecurity Certification

Management Skills: Agile Project Management, Scrum Management, Risk Management, Asana, Jira, Budgeting and Procurement, Waterfall Project Management

Analytics/Productivity Tools- Tableau, Power BI, Google Big Query, Word, Excel, PowerPoint, OneDrive, Visual Studio, Google Analytics, and Business, Jupyter Notebooks, MariaDB, MongoDB, WordPress

PROJECTS

Project Title: [Zillow Home Price Prediction](#)

With the dataset of home prices from the years of 2000-2023 and using CRISP-DM methodologies and ML Algorithms such as regression, pattern recognition, structured prediction, and cluster analysis for the data imputation to predict the upcoming home prices by taking the inflation into consideration. Using Random Forest and Linear Regression algorithm to analyze past data and predict future prices. Using various data manipulation to minimize the error.

Project Title: [Airline Data Analysis](#) (Data Mining- CS 4740)

This project aims to utilize Data Mining and Machine Learning algorithms to analyze airports based on the frequency of delays. Additionally, I have investigated the days of the week that suffer the most delays and the potential causes behind them. Furthermore, I have identified air routes with unique patterns, such as early departures but late arrivals, and the possible causes behind it.