Aishwarya Kandasamy

Chicago, Illinois, 60616 | (872) 664-2613 | akandasamy@hawk.iit.edu | linkedin.com/in/aishwaryakandasamy/

EDUCATION

Illinois Institute of Technology, Chicago, IL — May 2025
Masters in Data Science, GPA: 3.57/4
Club Activities: Association for Computing Machinery, Library Student Advisory Group.
Relevant courses: Big Data and Technologies, Data Preparation and Analysis, Applied Statistics, Statistical Learning.

Velmmal Engineering College, Chennai, India — April 2020
Bachelor of Engineering, Computer Science, GPA: 3.59/4
Club Activities: IEEE Student Chapter, Google Student Developer Club, ACM Student Chapter
Relevant courses: Object Oriented Programming, Software Development Life Cycle, Distributed Systems, Data Structures

WORK EXPERIENCE

Associate Member of Technical Staff
Athenahealth, India, Chennai, India — October 2020 - July 2023

- Led the design and implementation of a scalable data processing pipeline using Hadoop and Spark, reducing data processing time by 40%.
- Conducted data analysis and machine learning model development, resulting in a 25% increase in predictive accuracy for customer churn analysis.
- Optimized SQL queries and database performance, achieving a 30% improvement in data retrieval times. Collaborated with data scientists and analysts to design 10+ Tableau dashboards, resulting in a 35% increase in actionable business insights and decision-making efficiency.

Software Intern (Internship)
Athenahealth, India, Chennai, India — January 2020 - September 2020

- Implemented algorithms in Python to process and analyze image data, resulting in a 20% improvement in system accuracy and a 15% increase in performance.
- Conducted statistical analysis using Python and R, resulting in a 25% boost in actionable insights extracted from large datasets, contributing to enhanced data-driven decision-making.
- Contributed to a project that improved driver monitoring systems by 30% using advanced image and data fusion techniques.
  Designed and built 5 data warehouses and 10 data marts, streamlining data storage and retrieval processes, and reducing query response time by 40%.

PROJECTS

Cricket World Cup Prediction System — October 2023 - December 2023

- Engineered a predictive model for match results, achieving an 80% accuracy rate in forecasting outcomes.
- Achieved an impressive accuracy rate of 85%, outperforming traditional prediction methods.
- Trained model on 9000+ match records with 30 features, including team stats and player metrics.

Pandas Market Calendar for Holiday Calculation — October 2023 - December 2023

- Integrated Pandas library to develop a versatile market calendar, enhancing data processing speed by 30%.
- Engineered market calendar to handle large datasets, resulting in a 30% improvement in scalability.
- Revolutionized UX with customizable features, advancing engagement by 30%.

SKILLS

Languages: Python, Java, Javascript, React, Node Js, C++
Machine Learning Libraries: TensorFlow, PyTorch, Keras.
Big Data Technologies: Hadoop, Hive, Spark.
Database Systems: MySQL, PostgresSQL, MongoDB.