HEYT GALA

Chicago, IL | 312-687-4627 | hgala@hawk.iit.edu | https://www.linkedin.com/in/heyt-gala | https://github.com/Heytgala

TECHNICAL SKILLS

Programming languages: Python, Java, C/C++, Apache Hadoop, Apache Spark, ASP.NET MVC, JavaScript, R
Front-End: jQuery, Bootstrap, ReactJS, CSS, HTML
Tools/Platforms, Databases, and OS: Amazon Web Service, Chameleon Cloud, MySQL Server Management Studio, SharePoint Online, Windows, Linux/Unix, Visual Studio Code, Android Studio, Anaconda, PostgreSQL, Atlas, Athena, IMO NLP

WORK EXPERIENCE

LEAP OF FAITH TECHNOLOGIES INC, CHICAGO, IL: Software Development Intern　　　　　　　　　May 2024 – AUG 2024

Developed and executed efficient ETL processes using R, transforming and loading JSON data into PostgreSQL, resulting in a 30% improvement in data processing time.

Engineered APIs with IMO NLP tools to extract lexical codes for medications and patient problems, leading to enhanced accuracy in clinical data processing and analysis.

Streamlined IEMR clinical data management through Atlas and Athena, reducing data retrieval times by 25%.

Ensured high-performance data storage and retrieval via expert database management with PostgreSQL, increasing overall system reliability.

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO: Graduate Teaching Assistant　　　　　　　　　JAN 2024 – MAY 2024

Provided personalized tutoring and held office hours, significantly boosting student understanding of probabilistic models, as evidenced by improved test scores.

Collaborated with teaching assistants to establish and uphold consistent grading standards, ensuring fairness and transparency.

Conducted assessments of assignments and exams, contributing to a 15% increase in student performance metrics.

Engaged deeply with advanced probabilistic graphical models, enriching the curriculum through real-world applications in research.

WORLEY, MUMBAI, INDIA: Graduate Digital Solutions Consultant　　　　　　　　　MAY 2021 – APR 2022

Designed and implemented high-quality applications using ASP.NET MVC, C#, jQuery, HTML, and CSS, contributing to a 40% increase in user engagement.

Enhanced MySQL database performance through query optimization, achieving a 50% reduction in data retrieval times.

Led automation initiatives using Automation Anywhere (AA), resulting in significant operational efficiencies and reduced manual workload.

Facilitated collaboration across teams by effectively managing project uploads on Visual Studio TFS server, improving project delivery timelines.

WORLEY, MUMBAI, INDIA: Graduate Digital Solutions Consultant Intern　　　　　　　　　AUG 2020 – APR 2021

Automated HR and Piping Department processes with UiPath, enhancing departmental efficiency by 35%.

Created user-friendly website portals using ASP.NET MVC, C#, jQuery, HTML, and CSS, improving client satisfaction ratings.

Advanced database management with SQL techniques, leading to increased data integrity and operational reliability.

C-BIA SOLUTIONS & SERVICES LLP, MUMBAI, INDIA: Web Developer Intern　　　　　　　　　MAY 2019 - JUNE 2019

Delivered a live project for a UK client on SharePoint Online, managing configuration, site creation, Document Library setup, Site Pages, and thorough testing.

Developed custom web parts using Visual Studio Code to enhance project functionality.

Seamlessly integrated Excel Files using Microsoft SQL Server Integration Services, ensuring efficient data flow.

EDUCATION

Illinois Institute of Technology | Chicago, IL　　　　　　　　　AUG 2023 – DEC 2025
Masters in Computer Science　　　　　　　　　CGPA 3.66

PROJECTS EXPERIENCE

Sentiment Analysis Using Artificial Intelligence　　　　　　　　　JULY 2019 - APRIL 2020
Implemented an ML-based project for textual data analysis, achieving high accuracy and precision in predictions.
Applied the model for predicting election results based on social media comments.
Utilized Text Naïve Bayes, Random Forest, and Support Vector Machine classifiers for robust analysis.

Face Recognition and Detection System　　　　　　　　　JAN 2019 – APRIL 2019
Developed an advanced face detection and recognition system using the OpenCV library and SVM algorithm.
Extracted key facial features (eyes, nose, and mouth) with a feature extraction algorithm.
Achieved a precision of 91% by training an SVM classifier on extracted facial features for accurate face recognition.

EXTRA CURRICULUM ACTIVITIES

Tableau Essential Training – LinkedIn Learning
The Complete Machine Learning Course with Python - Course by Anthony NG on UDEMY
UiPath - Level 1 Robotic Process Automation – Course by Bryan Lamb on UDEMY