HEYT GALA

Chicago, IL (Open to Relocation) | 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++, ASP.NET MVC, JavaScript, R, Apache Tomcat, Servlet, jQuery, Bootstrap, React.js, CSS, HTML, Node.js, TypeScript, Next.js
- **Databases:** PostgreSQL, MongoDB, SQL, No SQL, MySQL
- **Cloud Platforms / Tools:** AWS, GCP, Chameleon Cloud, SharePoint Online, Windows, Linux/Unix, Atlas, Athena, IMO NLP, Heroku, Postman, Hadoop, Spark, Express.js, Docker

WORK EXPERIENCE

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

Technologies: **Python, PostgreSQL, IMO NLP, Atlas, Athena**

- Engineered and executed efficient ETL processes using Python, transforming and loading JSON data into PostgreSQL, resulting in a 30% improvement in data processing time.
- Created APIs with IMO NLP tools to extract lexical codes for medications and patient problems, improving clinical data processing accuracy by 15% and increasing analysis speed by 20%.
- Streamlined IEMR clinical data management through Atlas and Athena, reducing data retrieval times by 25%.
- Optimized PostgreSQL database management, reducing query response time by 30% and increasing system reliability by 20%.

WORLEY, MUMBAI, INDIA: Graduate Digital Solutions Consultant AUG 2020 – APR 2022

Technologies**: ASP.NET MVC, C#, jQuery, HTML, CSS, UiPath, MySQL, SQL, Automation Anywhere, Visual Studio TFS**

- Designed and implemented applications and user-friendly website portals using CI/CD pipeline, leveraging ASP.NET MVC, C#, jQuery, HTML, and CSS, which resulted in a 40% increase in user engagement and raising client satisfaction ratings.
- Enhanced MySQL database performance through query optimization, achieving a 50% reduction in data retrieval times, and automated HR and Piping Department processes with UiPath, boosting efficiency by 35%.
- Led automation with Automation Anywhere, boosting efficiency by 40%, enhanced team collaboration via Visual Studio TFS, and upgrading data integrity and reliability by 25% through advanced SQL.

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

Technologies: **SharePoint Online, Visual Studio Code, Microsoft SQL Server Integration Services (SSIS), Excel**

- Delivered a SharePoint Online project for a UK-based client, successfully configuring sites, document libraries, and integrating workflows that increases collaboration by 15%.
- Constructed custom web parts using Visual Studio Code, reducing project turnaround time by 20%. Integrated Excel Files into Microsoft SQL Server, improving data flow efficiency by 25%.

EDUCATION

Illinois Institute of Technology | Chicago, IL AUG 2023 – DEC 2025

Master's in Computer Science CGPA 3.77

PROJECTS EXPERIENCE

Event Shutter || Technologies: MERN Stack (MongoDB, Express.js, React, Node.js), AI **J**ULY 2024- AUG 2024

- Developed a MERN stack application with AI-driven image recognition, enabling users to upload, share, and retrieve images based on events, increasing user engagement by 25%.
- Deployed features for image search and categorization, enhancing image retrieval speed by 30% & reducing user search time by 20%.

Memories Capturer || Technologies: MERN Stack (MongoDB, Express.js, React, Node.js), AI **J**ULY 2024 - AUG 2024

- Built an AI-powered image recognition platform using MERN stack, processing and categorizing 100,000+ event images.
- Augmented a 'like' feature to enhance a 20% increase in user interaction with shared images.
- Installed advanced search algorithms, decreasing image retrieval time by 30%.

Sentiment Analysis Using Artificial Intelligence JULY 2019 - APRIL 2020

- Executed an ML-based project for textual data analysis, achieving about 85%-90% accuracy and precision in predictions based on social media. Applied the model for predicting election outcomes, improving forecast accuracy by 15% compared to prior models.
- Utilized Text Naïve Bayes, Random Forest, and Support Vector Machine classifiers for robust analysis and achieving 90% success rate.

Face Recognition and Detection System JAN 2019 – APRIL 2019

- Constructed an advanced face detection and recognition system using the OpenCV library and SVM algorithm, increasing accuracy by 91%. Extracted key facial features (eyes, nose, and mouth) with a feature extraction algorithm, reducing false positive by 25%.
- Achieved a precision of 91% by training an SVM classifier on extracted facial features for accurate face recognition.