

PRIYANKA GHARE

Atlanta, GA | pmghare@gmail.com | +1 4708301604 | [LinkedIn](#)

EDUCATION

Master of Science in Computer Science

August 2022 – May 2024

Georgia State University (GPA: 3.99/4)

Atlanta, GA

Relevant Coursework: Fundamentals of Data Science, Database Management System, Web Technology

Bachelor of Engineering in Computer Engineering

June 2016 – May 2020

University of Pune (GPA: 8.98/10)

Pune, India

Relevant Coursework: Machine Learning, Data Mining, and warehousing, Data Structures, Artificial Intelligence

SKILLS

Languages: Python, Java, C++, R

Databases: MySQL, MongoDB, Firebase

Web Development: HTML, CSS, JavaScript, jQuery, Angular, ASP.NET, Flask, Django, Bootstrap, PHP, Spring Boot

Libraries: Pandas, NumPy, PIL, Scikit-learn, TensorFlow, Ggplot2, Scikit-Video, Beautiful Soup, PyTorch, Keras, OpenCV

Machine Learning: Random Forest, Decision Tree, Naïve Bayes, SVM, Regression, KMeans, KNN, PCA, RNN, CNN, LSTM

Tools: Visual Studio Code, Docker, Git, Jira, Jupyter Notebook, AWS(S3), Kubernetes, Jenkins, Tableau

WORK EXPERIENCE

Georgia State University

August 2022 - Present

Graduate Assistant

Atlanta, GA

- Implemented AI models (PyTorch, TensorFlow) for precise disease symptom characterization in 10,000+ Wikipedia articles, extracting valuable insights crucial for healthcare decision-making.
- Led a data-driven initiative ensuring privacy compliance and governance, integrating advanced AI models to uncover meaningful patterns and trends in healthcare data, supporting evidence-based decision support.
- Engineered a scalable data processing solution using Apache Kafka and AWS, handling 10+ GB of textual data.
- Utilized Flask to develop robust authentication and authorization mechanisms, ensuring secure access to sensitive healthcare data **[Python, Flask, Pandas, Matplotlib, PyTorch, TensorFlow, Apache Kafka, AWS]**

Kreeda Labs

November 2020 - June 2022

Software Developer

Pune, India

- Developed a workout-generating application using Java, Spring Boot, HTML, CSS, and MongoDB showcasing a strong understanding of data structures, algorithms, and object-oriented design.
- Collaborated in a cross-functional team to deliver a user-friendly product, contributing to responsive UI components with Bootstrap and hands-on coding in JavaScript, including experience with Angular JS.
- Ensured application stability and quality by implementing unit and integration tests using the JUnit framework, while maintaining solid documentation and communication skills. **[Java, Spring boot, JavaScript, Angular JS, JUnit]**

Indicus Software

November 2019 - March 2020

Software Engineer Intern

Pune, India

- Developed a vehicle pooling application using JavaScript with the Spring Framework and Firebase Realtime Database, ensuring real-time synchronization of ride-share data.
 - Integrated Google Maps and geofencing APIs to facilitate seamless navigation and notify users when approaching ride-share pick-up locations.
 - Utilized React for frontend development, JavaScript, HTML, CSS, and SaaS for design, styling, and efficient data rendering, ensuring a responsive and user-friendly interface. Additionally, RESTful APIs were employed for seamless communication between frontend and backend systems. **[JavaScript, HTML, CSS, RESTful APIs]**
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ACADEMIC PROJECTS

Yoga poses recognition system using digital twin synchronization

- Led the development of a Yoga Pose Recognition System with 95% accuracy, integrating OpenCV, TensorFlow, and Unity. Implemented secure TCP/IP communication for real-time pose replication in Unity, enhancing accuracy by 22%. Employed Agile methodology and Socket Programming for efficient networking. **[OpenCV, TensorFlow, Unity, Python, MediaPipe, C#, Agile, Socket Programming]**

Credit Card Fraud Detection

- Enhanced fraud detection accuracy to 96.7% by applying feature engineering to a dataset of 75,000 credit card transactions alongside KMeans and Random Forest algorithm **[Python, Flask, HTML, CSS, NumPy, Pandas, Scikit-Learn]**

Data Engineering on IMDB data

- Built a top-down relational model for the IMDB movie dataset (over 50 million rows) in MySQL, identified functional dependencies, and performed database normalization. **[Java, SQL, NoSQL, Gradle]**