Jill Gosrani

Syracuse, USA | linkedin.com/in/jill-gosrani | +1 (332)-201-9320 | jgosrani@syr.edu

EDUCATION

Syracuse University, College of Engineering and Computer Science, Syracuse, USA — Aug 2022 - May 2024
Master of Science in Computer Science — GPA – 3.8/4.0

Mumbai University, Shah & Anchor Kutchhi Engineering college, Mumbai, India — May 2017- Jul 2021
Bachelor of Engineering in Information Technology — GPA – 3.6/4.0

Courses: Cloud Computing, DevOps, Data Structures & Algorithms, Artificial Intelligence, Object Oriented Design, Database Management Systems.

SKILLS

Programming Skills: Python, Java, JavaScript, TypeScript, Dart, Angular, PHP, Haskell, R, SQL.
Databases & Tools: MySQL, MongoDB, Firebase, AWS RDS, Oracle Database, Excel.
Frameworks: Spring Boot, Hibernate JPA, Restful API, Pytorch, NLTK, spaCy, Flutter, React, Node.js, Express.js, BERT.
Platform Tools: Slack, GitLab, Jupyter Lab, GitHub, AWS. Tableau, Docker, Power BI, Postman.

EXPERIENCE

Research Assistant, C4 Lab, USA — May 2023 – Present

- Developed a highly efficient **spaCy plugin** that achieved a 25% reduction in duplicated subject content within collected tweets, enhancing data clarity, and streamlining data analysis processes.
- Designed and implemented custom cleaning and extraction functions to detect beliefs from over **70 million noisy user data**. And reduced execution time by 20% by using spaCy pipelines.
- Researched and analyzed methods to achieve **semantically similar subject** data which will results in a more efficient and accurate data analysis process.

Software Developer Intern, Art of Living, Mumbai, India — Aug 2020 – Mar 2021

- Established project management application to replace existing client system using **Flutter, Dart and Firebase**, resulting in a 40% increase in productivity and reduced manual labor.
- Utilized **Agile Methodologies**, Git and Slack for team management and version control. Performed testing using API tester & postman to identify code limitations and reduced number of errors by 30%.
- Led a Team of 5 Interns to successfully develop payment gateway for the application and design visually appealing UI for elevating user experience. Utilized **Razorpay Api** to implement payment gateway.

PROJECTS

Social Media Platform *(React.js, Node.js, Express.js, MongoDB)* — Jan 2024 – Present

- Spearheaded responsive front-end UI enabling smooth social interactions for users, by building responsive, mobile-friendly views in **ReactJS** using components, hooks, and **Bootstrap** styling and MERN architecture
- Constructed **RESTful APIs** with **Node.js** and **Express.js** framework to handle user management, posting, and interactive features. Optimized load times achieving sub-100ms response for 75% of requests.
- Managed **Git** repository and collaborated with 5 developers, ensuring seamless code integration and reducing merge conflicts by 25%, resulting in faster feature delivery and an on-time project completion rate of 5%.

Flight Arrival Time Predictor *(Python, APIs, Jupyter, Git, Machine Learning, Flask)* — Sept 2023 – Dec 2023

- Established a highly accurate predictive model to forecast flight arrival times into Syracuse (SYR) using **regression and classification techniques**. On data 30K collected from Bureau of Transport Statistics and weatherbit Api.
- Implemented a predictive model using regression algorithms, **XGBoost**, achieving an accuracy rate of 85% in arrival time prediction.
- Created a **Flask API** to integrate the trained model with a React frontend application to get a quick prediction of the future flights.

CIF Automation system *(HTML, PHP, JavaScript, Bootstrap, CSS, Ajax, Python, MySQL)* — Mar 2020 - May 2021

- **Automated** course outcome system for college to replace the existing spreadsheets using modern web technologies, which improve efficiency by 40%.
- Developed a data-driven platform to analyze students' performance using Machine learning algorithms, leading in a 20% growth in academic achievement and **15% improvement in course effectiveness**.
- Led 3 peers and researched market algorithms for calculating course outcomes, constructed an algorithm based on the available data. **Published** a technical paper on the research.