JILL GOSRANI

jill-gosrani.github.io/ ||*jgosrani@syr.edu*||*linkedin.com/in/jill − gosrani/*|| + 1(332) 201 9320

EDUCATION

Syracuse University, College of Engineering and Computer Science, Syracuse, USA — May 2024
Master of Science in Computer Science — GPA − 3.8/4.0
Relevant Coursework: Design & Analysis of Algorithms, Object Oriented Design, Artificial Intelligence.
Mumbai University, Shah & Anchor Kutchhi Engineering College, Mumbai, India — May 2021
Bachelor of Engineering in Information Technology — GPA − 3.67/4.0
Relevant Coursework: Computer Networks, Database Management, Java Programming, Operating Systems.

SKILLS

Languages:	Python, Java 8, JavaScript, Dart, PHP, Haskell, R, HTML, CSS, TypeScript.
Databases:	MSSQL, MySQL, Oracle Database, SQLite, MongoDB, Firebase, Amazon RDS, Excel.
Platform Tools:	Slack, GitLab, Jupyter Lab, GitHub, AWS, Tableau, Docker, Power BI, Postman, Docker.
Frameworks:	Spring Boot, Restful API, Pytorch, NLTK, spaCy, Flutter, React, Node.js, Express.js, BERT.

EXPERIENCE

Research Assistant | C4 Lab, Syracuse, NY — May 2023 - Oct 2023
- Developed a spaCy plugin that achieves a 25% reduction in duplicated subject content within collected tweets, enhanced data clarity, and streamlined the data analysis process.
- Designed and implemented custom cleaning and extraction functions to detect beliefs from over 70 million user data.
- Researched and analyzed methods to achieve semantically similar subject data, resulting in a more efficient and accurate data analysis process.

Software Developer Intern | Art of Living, Mumbai, MH — Aug 2020 - Mar 2021
- Established project management application to replace existing client systems using Flutter, Dart, and Firebase, resulting in a 40% increase in productivity and replacing 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 eliminated errors by 30%.
- Led a Team of 5 Interns to successfully develop a payment gateway for the application and design a visually appealing UI for elevating user experience. Utilized Razorpay Api to implement payment gateway.

PROJECTS

Social Media Platform
- Spearheaded responsive front-end UI, by building responsive, mobile-friendly views using MERN architecture.
- Constructed RESTful APIs with Node.js and Express.js framework to handle user management, posting, and interactive features. Optimized load times achieving faster response for 75% of requests.
- Implemented a comprehensive database for user management, resulting in a 35% improvement in system reliability. Collaborated with 5 developers resulting in faster feature delivery and project completion.

Flight Arrival Time Predictor
- Established a highly accurate ensemble predictive model to forecast flight arrival times into Syracuse achieving an accuracy of 85%.
- Collected 30K weather data from weatherbit Api and merges it with incoming flight data from the Bureau of Transport Statistics.
- Created a Flask API to integrate the trained model with a simple front-end form to get a quick prediction of future flights.

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