

JILL GOSRANI

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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
Relevant Coursework: Design & Analysis of Algorithms, Object Oriented Design, Artificial Intelligence.
Mumbai University, Shah & Anchor Kutchhi Engineering College, Mumbai, India June 2017 - July 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: T-SQL, SQL, GraphQL, SQLite, MongoDB, Firebase, Amazon RDS, Excel.
Platform Tools: Slack, GitLab, Jupyter Lab, GitHub, AWS, Tableau, Docker, Power BI, Postman.
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

- Constructed an API using spaCy, eliminating duplicated subject content within collected tweets by 25%, thus improving data clarity and streamlining the data analysis process, making it more efficient and accurate.
- Designed and implemented cleaning and extraction functions for belief detection using cosine similarity for over 70M+ user records, enabling the mapping and tracking of user beliefs over time.
- Researched and analyzed NLP techniques to identify semantically similar subject data, conducting performance evaluations based on accuracy and efficiency.

Software Engineer Intern | Art of Living, Mumbai, MH Aug 2020 - Mar 2021

- Established a project management android application using Flutter, Dart, and Firebase, eliminating existing manual processes, resulting in a 40% increase in productivity.
- Utilized Agile Methodologies, Git, and Slack for team management and version control. Performed API testing using Postman to identify code limitations and eliminate possible errors.
- Led a team of 5 interns to collaborate on integrating the Razorpay payment gateway and designing a visually appealing UI to showcase progress and elevate user experience.

PROJECTS

Social Media Platform

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

Car Rental Management System

- Designed and launched a web-based car rental management application utilizing microservices architecture and Spring RESTful APIs, ensuring scalability and reliability.
- Created a responsive web UI using React.js and ECMAScript 6, optimizing component rendering and resource loading, which enhanced user experience and reduced page load times by 30%, resulting in higher user engagement.
- Optimized query performance by designing a normalized MySQL database with strategic indexing, resulting in a 20% boost in search queries.

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.