Diya Jain

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EDUCATION

Major: Bachelor of Science in **Computer Science**   **Graduation: December 2024**
Minor: Mathematics   **GPA: 3.51/4.00**
University of South Florida   Tampa, FL

SKILLS

- Programming Languages: **C/C++, Python, SQL, Java, Swift, HTML/CSS3, JavaScript, Flask, React.js, C#, .NET**
- Technologies: PostgreSQL, Xcode, AGILE, Jira, macOS, Windows, GitHub, IntelliJ
- Soft Skills: Excellent listening, written, and oral communication skills; Analytical and creative problem-solving skills

EXPERIENCE

Information and Digital Solutions Intern   **May 2023 – August 2023**
Eli Lilly and Company   *Indianapolis, IN*
- Automated data retrieval processes by developing an advanced Python script utilizing Pandas, resulting in an **80%** reduction in manual tasks and significantly improving real-time access to information, boosting team productivity and data accuracy
- Designed and implemented a highly efficient workflow for document processing in Microsoft Azure, streamlining operations and increasing overall efficiency by **30%**, delivering **$10,000** in monthly cost savings through optimized resource utilization
- Collaborated with cross-functional development teams to integrate automated data processing tasks with Power BI dashboards, enhancing real-time data availability by **50%**, which drove data-driven decision-making and improved insights for stakeholders

Math Tutor CRLA Certified   **June 2022 – December 2024**
University of South Florida   *Tampa, FL*
- Collaborated with a team of **30+** tutors to implement tailored lesson plans for over **4,000** students at varying math proficiency levels, leading to a **15%** improvement in student comprehension and engagement through personalized learning approaches
- Provided targeted, constructive feedback to students, leveraging positive reinforcement strategies to boost confidence and motivation, resulting in a **20%** increase in overall academic performance and long-term retention of mathematical concepts
- Delivered high-impact math instruction, aligning teaching methods with the institution's mission and educational philosophy, and consistently achieved an average student satisfaction rating of **4.8/5** through engaging, results-driven learning experiences

PROJECTS

SentimentScope | *Python, Flask, React.js, HTML/CSS*   **August 2024 – September 2024**
- Developed and deployed a real-time sentiment analysis web application using **Python, Flask, and React.js**, enabling users to analyze sentiment from various platforms, with a focus on high responsiveness and real-time feedback
- Integrated NLP algorithms using libraries such as **NLTK** and **spaCy** to perform accurate sentiment extraction (positive, negative, neutral) from user-generated content, ensuring efficient text analysis and actionable insights for end users
- Designed and implemented a user-friendly web interface with React.js, allowing for interactive visualizations of sentiment data, including real-time graphs and word clouds, enhancing the user experience through clear data representation

Stock Visualization and Pattern Recognition App | *C#, .NET*   **January 2024 – April 2024**
- Developed a robust Windows Forms application in **C#** using the **.NET** framework to visualize stock market data with interactive candlestick charts, enhancing data analysis capabilities for end-users
- Implemented dynamic data binding and real-time filtering across multiple stock charts, improving data accessibility and usability by enabling live updates and comparative analysis of various stocks
- Engineered advanced pattern recognition for **14** different candlestick chart patterns using abstract classes and specialized recognizers, enabling automated detection of potential stock trends and signals

ClipArtSticker | *Java, Postgres, SQL, HTML/CSS*   **January 2023 – May 2023**
- Designed and implemented a comprehensive online enterprise management system, **"ClipArtStickers"**, using **Java, HTML/CSS**, and **PostgreSQL**, enhancing product promotion and user experience through a streamlined platform
- Collaborated with cross-functional team to gather user requirements, architect the application, and conduct rigorous testing, resulting in a **90%** reduction in bugs and delivering a highly reliable user experience
- Optimized database performance by developing efficient **SQL** queries, improving query execution speed by **20%**, and significantly enhancing the platform's responsiveness and overall user satisfaction

LEADERSHIP

Logistics Lead at Hackabull   **September 2023 – March 2024**
Society of Hispanic Professional Engineers   *Tampa, FL*
- Led logistics operations for large-scale events, coordinating venue setup, managing vendor relationships, and ensuring smooth execution of event infrastructure and resources
- Managed cross-functional team to leverage diverse skill sets, driving efficient planning and execution of event logistics to deliver a high-quality experience for attendees