SIDDHI GALADA

Los Angeles , California

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Education

University of Southern California	**Aug 2024 – May 2026 (Expected)**
Master of Science in Computer Science	*Los Angeles, CA*
Sir MVIT	**Dec 2020 – Jul 2024**
Bachelor of Engineering in Computer Science and Engineering	*Bangalore, India*

Technical Skills

Languages: Python, Java, C++, C, R, JavaScript, TypeScript, Git, SQL, HTML, CSS,GO
Databases: MongoDB, PostgreSQL, DynamoDB, MySQL
Technologies/Frameworks: Linux, MATLAB, Flutter, Android Studio, Node.js

Experience

Varcons Technologies Pvt Ltd   **Aug 2023 – Oct 2023**
Machine Learning Intern   *Bengaluru, India*
- Designed an advanced Preprocessor class to streamline data cleaning and lemmatization, reducing preprocessing time by 30% and boosting workflow productivity.
- Analyzed sentiment distribution (19% neutral, 44% positive, 37% negative) and visualized insights using word clouds and bar charts, providing actionable data trends.
- Built and trained a BERT-based classifier, achieving 97% training accuracy and 89% validation accuracy, demonstrating high performance in sentiment analysis tasks.

Projects

Weather Prediction   **Nov 2024 – Dec 2024**
Python, Scikit-learn, TensorFlow, Pandas, Matplotlib   *Los Angeles,CA*
- Developed a predictive weather model utilizing over 100,000 historical records; achieved an impressive accuracy rate of 92% through the implementation of Random Forest and LSTM algorithms for enhanced forecasting.
- Deployed the model for real-time forecasting, serving 5,000+ monthly users, and created interactive dashboards with Matplotlib and Plotly, improving user engagement by 30%.

Genetic Disorder Prediction Using Machine Learning   **Jan 2024 – May 2024**
Python, PyTorch, Feature Engineering   *Bengaluru, India*
- Engineered a classification model for classifying genetic disorders based on DNA microarray data from 7,070 genes; achieved a reduction in misclassification rates by 15% when benchmarked against existing baseline models.
- Established a classification accuracy of 94.7% using the Extra Tree Classifier, validated on a test set of 1,000+ samples, demonstrating high predictive reliability.

Classroom Attendance Tracker   **Jun 2023 – Aug 2023**
Java, Android Studio, Mobile App Development   *Bengaluru, India*
- Designed an intuitive interface for 50+ teachers to input and view student performance data, improving usability and data accessibility by 40%.
- Implemented secure user authentication and data storage for 1,000+ student profiles, ensuring privacy compliance and 98.5% data integrity.

Maternal Database Management System   **Jan 2023 – Mar 2023**
MYSQL, PHP, HTML   *Bengaluru, India*
- Developed a web application for tracking natal immunization, managing doctor appointments, and overseeing prescriptions, improving maternal healthcare delivery for 2,000+ patients.
- Implemented real-time immunization updates and appointment reminders, increasing patient engagement and compliance by 25%, while leveraging MySQL, PHP, and HTML/CSS to create a secure, responsive, and user-friendly interface.

Leadership

Member, Women Who Code   **Since Feb 2020**
Community Engagement
- Facilitated networking events that connected over 100 women in technology, enhancing collaboration opportunities and providing access to mentorship; established a follow-up system that led to a 25% increase in job placements.