Siddhi Pandit

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GitHub: github.com/Siddhi-M-Pandit | Portfolio: siddhi-m-pandit.github.io/siddhi-portfolio

EDUCATION

California State University | *Master of Science, Computer Science (CS)*   **August 2023 - May 2025**
- Relevant Courses: Applied Machine Learning, Algorithms & Computability, Advanced Database Management Systems, Data Science, Software Design & Maintenance, Web Technology, Applied Computer Vision, Cybersecurity

Savitribai Phule Pune University | *Bachelor of Engineering (BE)*   **August 2019 - April 2023**
- Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Linear Algebra & Numerical Optimization, Theory of Computation, Operating Systems, Computer Network, Database Management, Artificial Intelligence, Machine & Deep Learning, Big Data, Blockchain

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, Dart, HTML, CSS, JavaScript
Frameworks: JQuery, Bootstrap, PHP, React, Node, Express, Flutter
Data Analysis: Pandas, Numpy, MatPlotLib, Seaborn, Plotly, Plotnine, Scikit-learn, Keras, Pytorch, TensorFlow, Hugging Face
Database: MongoDB, MySQL, Firesbase
Additional Skills: GitHub, Docker, Weights & Biases, Adobe XD, Adobe Illustrator, Figma

EXPERIENCE

Android App Development Internship | *Task Consultants Pvt. Ltd.* | Pune, India
- Developed an Android application for selective Inflammatory Bowel Disease patients, focusing on Membership Enrollment & Query Desk functionalities, using Java.
- Seamlessly integrated Google Firebase as the back-end database for real-time data management.
- Designed and implemented an intuitive UI, ensuring a user-friendly experience using Java and Firebase within Anaconda IDE.
- **Technology**: Java, Google Firebase, Anaconda IDE, GitHub.

PROJECTS

Comparative Analysis of ML, DL, and LLM Models for Sentiment Analysis
| *Python* | *Scikit-learn* | *TensorFlow* | *PyTorch* | *Hugging Face* | *Weights & Biases* | *Sentiment140 Dataset* |

- Conducted a head-to-head study of six models (Naive Bayes, SVM, CNN, BiLSTM, BERT, RoBERTa) on the Sentiment140 dataset using a unified preprocessing and evaluation pipeline.
- Tuned models using Bayesian sweeps (CNN, BiLSTM) and manual optimization (BERT, RoBERTa), and logged classification & computational metrics.
- Ensured reproducibility via version-controlled notebooks, with experiment outputs logged to CSV and W&B dashboards.

Artspiration: A Flutter-based E-Commerce & Auction App for Artists | *Flutter* | *Firebase* | *Firestore* |
- Developed a mobile app that enables artists to list, auction, and manage artwork with real-time updates through buyer and seller dashboards.
- Integrated Firebase Authentication, Firestore Database, and Storage for secure login, dynamic data sync, and media uploads.
- Built real-time bidding functionality using Firestore streams to support live auction updates and bid tracking.

EXTRA-CURRICULAR & VOLUNTEERING

Vice-Chair, Social Justice & Equity Comittee (SJEC) | *CSU Chico*
- Supported the Chair of SJEC in presiding over committee meetings & fulfilling administrative duties, while leading initiatives to foster equity & inclusivity across campus through policy development, major cultural events, & acting as a liaison between the student body & university administration.

Vice-President, Bollywood Dance Club | *CSU Chico*
- Efficiently led event planning, logistics, & internal coordination for performances & rehearsals, ensuring smooth operations & effective team collaboration.

Community Support Volunteer | *Helping Hounds Organization - Pune*
- Devoted over 128+ hours over the span of 16 months to the weekly volunteer activity focused on feeding & caring for stray dogs in Pune city.