SALONI ANGRE

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EDUCATION

Master of Science in Information Systems, Northeastern University, *Sept'2024 - Expected'2026*
Relevant Coursework: Application Development, Data Science, Python, DSA *GPA: 3.9/4.0*

Bachelor of Engineering in Information Technology, University of Mumbai *Aug'2018 – May'2022*
Relevant Coursework: Networking, OS, Machine Learning, Embedded Systems *GPA: 3.7/4.0*

TECHNICAL SKILLS

Programming:	Python, R, SQL, Java, JavaScript, TypeScript, C++, Bash
Frameworks:	React, Node.js, Flask, Django, REST APIs, HTML5, CSS3
Databases:	MySQL, PostgreSQL, MongoDB, BigQuery, SQLite
AI & ML:	Scikit-learn, TensorFlow, Keras, XGBoost, NLP, Deep Learning
Tools & Platforms:	Git, GitHub, Google Colab, GCP, Looker Studio, VS Code, JIRA

WORK EXPERIENCE

Software Engineer | LTIMindtree Mumbai. India *July'2022- August'2024*
- Enhanced **Microservices** using **Mulesoft** for API integrations, improving code quality and reducing errors by 40%, significantly boosting operational efficiency.
- Spearheaded the development of an **IT SaaS** solution for bulk document uploads via **Confluence**, leveraging **Java** and **Spring Boot** to reduce API error rates from 40% to near-zero, improving document processing speed.
- Led migration of legacy patient support systems to an **API-driven architecture** on **AWS**, achieving a 20% reduction in system issues and a 15% increase in user satisfaction through optimized data flows.

Technical Project Management Intern | Shatakshi Group Mumbai, India *July'2021 - August'2021*
- Managed cross-functional engineering projects using **Jira** and **Agile methodologies**, improving project turnaround by 10% through efficient task tracking and bottleneck resolution.
- Conducted quantitative data analysis using **SQL** and **Power BI**, translating insights into actionable process improvements.
- Streamlined collaboration across engineering, product, and management teams, reducing project delays by 15% through structured sync-ups.

Machine Learning Research Intern | Code Karo Yaro Mumbai, India *June' 2021 - July' 2021*
- Developed **data migration pipelines** and **data warehousing** solutions with **PostgreSQL**, enhancing system reliability and data accessibility.
- Researched alignment techniques for **Large Language Models (LLMs)** using **regression** and **classification trees** in **Python**, boosting predictive model accuracy by 15%.
- Executed **database connectivity** and usability testing across platforms, ensuring seamless integration for ML applications.

PROJECTS

Handwritten Mathematical Equation Solver Using Artificial Neural Networks *April'2021 - June'2021*
- Designed a **GUI-based calculator** using **Python**, **TensorFlow**, and **Keras** to recognize handwritten digits and mathematical operators for real-time equation solving.
- Implemented **deep learning** models with **convolutional neural networks (CNNs)** to enhance recognition accuracy for digits and symbols
- Extended the system's functionality to solve basic equations, including addition, subtraction, multiplication, and division.

Medi Buddy – Smart Disease Predictor *June'2019 - May' 2021*
- Built a disease prediction system using **Cassandra** for data management and integrated **CUDA** and **Generative Adversarial Networks (GANs)** for model optimization.
- Optimized **Random Forest** and **Support Vector Machines (SVM)** algorithms, achieving 84.46% accuracy for breast cancer and liver disease predictions.
- Deployed **VGG19 CNN** models for malaria and pneumonia detection, reaching a 93.5% accuracy rate.

MRI Brain Tumor Detection *June'2019 - May'2021*
- Developed a brain tumor detection model using **Python** and **scikit-learn**, applying **machine learning algorithms** to analyze MRI scans with high precision.
- Achieved a 96.8% accuracy rate in predicting diabetes, heart, and kidney conditions using optimized **Random Forest models** and 84.46% accuracy for breast cancer with **SVM**.
- Enhanced model performance through **data preprocessing**, feature selection, and hyperparameter tuning.