Narasimha Gaonkar

LinkedIn: linkedin.com/in/narasimha-gaonkar
Github: github.com/narasimha-gaonkar

Email: narasimhagaonkar987@gmail.com
Mobile: +1-716-704-1284
Portfolio: narasimha-gaonkar.github.io

SUMMARY

Passionate IT professional with a background spanning 4 years in software development and Data Science. Possessing 2 years of enriching on-site experience in Jordan, collaborated with diverse clients and thrived in dynamic environments.

EDUCATION

- **University at Buffalo, The State University of New York** — Buffalo, USA
  Master of Science in Data Science; GPA: 3.5 — *Aug 2022 - Jan 2024*
- **Bangalore Institute of Technology** — Bengaluru, IN
  Bachelor of Engineering in Computer Science — *Jun 2014 - May 2018*

SKILLS

- **Languages**: **Python**, R, **SQL**, Java, Javascript, **Typescript**, HTML 5, CSS3
- **Tools & Technologies**: PostgreSQL, MySQL, GitHub, SVN, Tableau, Numpy, Pandas, TensorFlow, PyTorch, Alteryx
- **Skills**: **Machine Learning**, Deep Learning, Data Visualization, Data Analytics, NLP, **Agile**, Microsoft Azure, CI/CD

EXPERIENCE

- **Eitacies Inc.** — Santa Clara, USA
  Machine Learning Intern — *Jun 2023 - Aug 2023*
  - Implemented custom object detection models using YOLOv8, achieving an outstanding F1-score of 0.90 on various test datasets, demonstrating high precision and recall.
  - Collaborated with a team to integrate YOLOv8-based object detection into a real-time video processing system, achieving smooth performance at 30 frames per second on GPU hardware.

- **Harman International** — Bengaluru, IN
  Senior Product Development Engineer — *Jan 2022 - Jul 2022*
  - Collaborated with Data Engineering team to develop a user-friendly web interface for Data Modelling in Angular 13.
  - Created more than 10 UI wireframes to enhance site interaction and accessibility, employing user-centered design principles and close collaboration with stakeholders to achieve a seamless and inclusive user experience.
  - Cooperated with the data engineering and data modeling teams to develop real-time data visualization dashboards using Angular 13 and integrated them with data pipelines, enabling stakeholders to make data-driven decisions effectively.

- **Infosys** — Pune, IN
  Senior Systems Engineer — *Jul 2018 - Jan 2022*
  - Worked onsite in **Amman, Jordan** for the second-largest bank on the implementation of Mobile Banking. Coordinated with onsite business and IT teams to translate business requirements into technical requirements and delivery timelines.
  - Led a team of 4 to develop and publish a mobile app; offers seamless banking services such as Instant Money Transfers, Bill Payments, Mini Statements, and more; Over 150k Play Store downloads to date.
  - Integrated Guard Square library to encrypt and obfuscate code; resulting in a 25% reduction in application size and a 30% reduction in tampering attacks.
  - Significantly improved payment functionality by implementing QR code scanning capabilities in Android and iOS mobile applications, resulting in streamlined transaction processes and enhancing user satisfaction for a 1 million customer base.

PROJECTS

- **Street View House Number Identification (Deep Learning, Image Processing, AlexNet)**: Built a custom Convolutional Neural Network (CNN) from scratch using PyTorch for identifying Street View House Numbers on Google SVHN dataset. Incorporated various augmentation techniques to increase size and diversity of training data. Optimized model's performance and generalization by fine-tuning hyperparameters; Obtained test accuracy of 93.4%.

- **Recognizing Fraudulent Credit Card Transactions (Machine Learning)**: Coordinated with a team of 4 to classify fraudulent credit card transactions on highly imbalanced data with a fraud rate of 0.172%. Implemented Logistic Regression in conjunction with SMOTE to cross-validate accuracy for detecting fraudulent transactions; attained 98.7% accuracy.

- **SuperMario Reinforcement Learning Agent (Deep Learning)**: Generated a Super Mario-themed Grid-World environment in accordance with OpenAI Gym standards, trained RL agents using SARSA and Q-Learning with an average total reward of 500 points, and obtained an accuracy of 90% in evaluating learned policies.

- **Context Based Sarcasm Detection (Natural Language Processing)**: Created a dataset of 28,000+ news entries, utilized NLP techniques including embedding, tokenization, and Bi-LSTM & RoBERTa models to achieve 96% classification accuracy for context-based sarcasm detection, resulting in better understanding of sarcasm in language.

- **Old Age Home Database Management System (PostgreSQL, Web Development, Tableau)**: Designed a comprehensive Database Management System for an Old Age Home to efficiently handle medication management through optimized queries and a user-friendly dashboard. Leveraged PostgreSQL and web technologies for analytical and usage statistics, along with reminders for timely medication administration.

CERTIFICATIONS

- Deep Learning Specialization
- Tableau Certified Data Analyst