EVAN VELAGALETI

Email: ev379@drexel.edu
Phone: +1-(267)-546-6403
Location: Philadelphia, PA, USA

LinkedIn: https://www.linkedin.com/in/evanvelagaleti/
Github: https://github.com/EvanVR
Portfolio: https://evanvr.github.io/portfolio-website/

Specialist in Data Analytics | AI/ML Architect | NLP Enthusiast | Looking for full-time roles: June 2024

SKILLS

- **Languages:** Python, C, C++, JavaScript, UNIX, SQL, Java
- **Frameworks/Tools:** TensorFlow, NumPy, Pandas, NLTK, Keras, OpenAI, SpaCy, PyTorch, Matplotlib, Django, Flask, IBM MQ, ERP workflow, Android Studio, Cloud, Operations Research, Agile Software Development, Supply chain management, Apache Hadoop, Visual Studio, Git, Microsoft Office
- **Web Technologies:** HTML, CSS, JavaScript, PHP, Node.js, Vue.js
- **Databases:** Oracle DB, MySQL, Firebase, SQLite, PostgreSQL, MongoDB
- **Soft Skills:** Clear emphatic communicator, efficient time manager, collaborative team leader and player, resilient under pressure.

EDUCATION

Drexel University | Philadelphia, USA   **Sept 2022- Jun 2024**
Master of Science in Computer Science, **GPA: 3.57/4**

University of Mumbai | Mumbai, India   **Aug 2017-Jun 2021**
Bachelor of Engineering – Computer Engineering, **GPA: 9.51/10**

EXPERIENCE

Data Science Machine Learning Intern: Blue Yonder Inc. | Dallas, TX, USA   **Jul 2023- Present**
- Achieved the development of a multi-tenant AI agent for supply chain, leveraging Data Mining, Modeling & ML models doubling operational efficiency.
- Spearheaded integration and optimization of Large Language Models, transforming information retrieval, yielding a 40% increase in actionable insights.

System Engineer: Tata Consultancy Services–Reserve Bank of India | Mumbai, India   **Jun 2021-Jun 2022**
- Promoted AI-driven financial software development optimizing India's revenue system collaborating with 30 cross-functional teams PAN India.
- Utilized a diverse tech stack for seamless data flow and analytics, capable of handling up to 1.5B secure financial transactions nationwide for 300 banks.
- Automated transaction scripts, achieving a remarkable 25% increase in overall efficiency.

Security Analyst and Application Tester Intern: qSEAp Infotech Pvt. Ltd. | Mumbai, India   **May 2019-Jun 2019**
- Conducted rigorous analysis of applications, unearthing critical bugs and vulnerabilities pre-deployment, reducing 15% security risks.
- Led a team of 7 for implementation of thorough Vulnerability Assessment and Pen Testing resolving small development defects.

ACADEMIC PROJECTS

Automated Fraud Detection with Advanced Data Analytics | Drexel University   **Aug 2023**
- Achieved 95% real-time accuracy in identifying fraudulent activities using advanced data analytics and ML.
- Deployed top-tier data preprocessing and ML models to notably enhance fraud detection reducing false positives.

Full-Stack Web Development for Travel Agency - Globus Inc. | Drexel University   **Mar 2023**
- Built a responsive full-stack website utilizing HTML, CSS, JS, and React Framework, seamlessly integrating SQLite for efficient data handling.
- Secured the 3rd position in class for pioneering an innovative Stripe API payment integration, showcasing creativity and effective implementation.

Game Development using Artificial Intelligence | Drexel University   **Oct 2022**
- Revolutionized an AI-based Othello game agent, achieving top-notch efficiency and securing an impressive 6th class ranking.
- Strategically implemented Minimax and Alpha Beta Space Search to maximize winning probabilities with an 80:20-win ratio.
- Crafted a Rubik's cube solver in Python, employing solving strategies like BFS, DFS, and A* search algorithms.
- Programmed an AI-powered maze-solving agent using Q-learning, conquering intricate challenges within a complex 20x20 reward-driven state space.

Object Detection at Crime Scene using Machine Learning | University of Mumbai   **Jun 2021**
- Redesigned YOLO v3 Object Detection Model with TensorFlow, achieving 75% accuracy and 14% latency reduction.
- Developed an Android mobile application for seamless and efficient object detection, aiding crime scene investigations.

Information Retrieval Chatbot using AI and Natural Language Processing | University of Mumbai   **Apr 2021**
- Unified SciKit, NLTK, and Wikipedia Corpus to empower the chatbot for in-depth and up to 70% accurate information retrieval.
- Collaborated with 10+ discord user groups to seamlessly integrate the chatbot with Discord, driving a significant upswing in user engagement.

Fake News Detector Application with NLP | University of Mumbai   **Mar 2020**
- Created an intuitive fake news detection app utilizing cutting-edge data analytics and NLP techniques.
- Utilized GPT-2 Model for keyword matching and prediction analysis to identify fake news with a 65% accuracy.

CERTIFICATIONS/ PROFESSIONAL DEVELOPMENT

- Deep Neural Networks Specialization | **deeplearning.ai**   **Aug 2020**
- Introduction to Machine Learning and Artificial Intelligence | **Finland Labs IIT Roorkee**   **May 2020**
- Introduction to Big Data Coursera certification | **University of California**   **Mar 2020**
- Introduction to Data Science Coursera certification | **University of Michigan**   **Dec 2019**

HONORS/ ACHIEVEMENTS

- Appreciation and Extra Credit for a remarkable time efficient implementation of Othello game using AI | **Drexel University**   **Nov 2022**
- Paper publication titled: "Object Detection at Crime Scene using Machine Learning" | **Digital 4N6 Journal, India**   **Aug 2021**