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| EducationMaster of Science in Computer Science with Honors (Integrated) | University of Exeter, United Kingdom Degree obtained June 2025  * Member of university’s following societies: Computer Science, Cybersecurity, Women’s Football |
| relevant projects **Predicting Consumer Demographics from Shopping Data** *(Nov–Dec 2023)*   * Built a Random Forest ML model achieving 75% accuracy in predicting gender from consumer behavior. * Applied PCA for dimensionality reduction and SMOTE for class balancing to address bias and interpretability. * Analyzed feature importance, uncovering behavioral drivers to support targeted marketing strategies. * Evaluated performance with precision, recall, F1-score, and confusion matrix, and structured findings for non-technical stakeholders.   **Polarization Detection on Reddit Using NLP** *(Nov 2023–Apr 2024)*   * Developed a modular NLP inference pipeline to classify feminist vs. anti-feminist rhetoric using transformers, SVMs, and lexicon-based sentiment models. * Implemented reusable preprocessing workflows and integrated custom lexicons (e.g., Hatebase, Incel Dictionary). * Focused on scalability and ethical ML, exploring temporal dynamics, user behavior patterns, and moderation impact. * Documented and packaged the project for deployment, evaluation, and reproducibility.   **Interactive Django Web App – Sustainable Campus** *(Nov 2022–Mar 2023)*   * Co-developed a full-stack web app (Python/Django/JavaScript) using QR location verification, virtual economy, and gamified user behavior. * Built robust user authentication, item store, and friend-tracking functionality. * Used Git for version control and SQL for backend data management.   **Reproduction: Phishing URL Detection via Network Analysis** *(Oct–Nov 2024)*   * Reproduced and validated a peer-reviewed ML-based phishing detection pipeline using URL graph-based features. * Wrote a formal evaluation report and delivered an oral presentation, demonstrating strong technical writing and communication. |
| RELEVANT ExperienceEvents Assistant | University of Exeter’s Student Guild | Exeter, United Kingdom *(September 2024 – June 2025)*  * Assisted in facilitating various events to enhance student community engagement. * Supported event logistics and attendee engagement; strengthened public speaking and organizational skills.  Lead Teachers Assistant | Girls Who Code | USA *(May 2024 – July 2024)*  * Taught and supported 40+ students in live Python sessions; managed debugging and breakout room facilitation. * Coordinated with Bank of America and Synchrony to deliver impactful STEM outreach programs.  Workshop Leader | ExCode Exeter Entrepreneurs | Exeter, United Kingdom *(October 2022 – December 2022)*  * Led an 8-week Python training using Google Colab; tailored learning for beginners and supported diverse skill levels. |
| TECHNICAL SKILLS  * Languages & Frameworks: Python, C++, JavaScript, Django, SQL, scikit-learn, TensorFlow, PyTorch, HuggingFace, NLTK, SQL * Tools & Platforms: Git, Jupyter, SMOTE, PCA, BERT, Linux, MacOS, VS Code, Zoom * Concepts: Machine Learning, Sentiment Analysis, Inference Systems, NLP, Data Preprocessing, Model Evaluation, Optimization, Ensemble Methods, Dimensionality Reduction, Pen Testing, Metasploit, Kali, Ethical Hacking   Languages: English (Fluent), Spanish (Fluent), Chinese (Limited), French (Elementary) |