

EDUCATION

Arizona State University, Tempe	Aug 2024 - May 2026
Master of Information Technology	GPA: 4.0/4.0
Coursework: Adv. Info Systems Security (IFT 520), Info Systems Development (IFT 540), Principles of Comp & IT Arch (IFT 510), Analyzing Big Data (IFT 511), Advanced Database Management (IFT 530), Data Visualization & Reporting for IT (IFT 533)	
Vellore Institute of Technology, India	Sep 2020 - May 2024
Bachelor of Computer Science and Engineering	GPA: 3.13/4.0

EXPERIENCE

APTOnline Limited	Hyderabad, India
Project Trainee	Apr 2024 – June 2024
<ul style="list-style-type: none"><li>Utilized machine learning and data analytics to enhance technical skills and apply them to real-world projects, employing Python and SQL for actionable insights and improved model performance.</li><li>Gained hands-on experience with Scikit-learn and other machine learning frameworks, deepening understanding of their practical applications in professional settings.</li><li><b>Technical Stack Utilized:</b> Python, SQL, Scikit-learn, Machine Learning frameworks</li></ul>	
KrtrimalQ Cognitive Solutions	Bengaluru, India
Data Science Intern	Dec 2023 – May 2024
<ul style="list-style-type: none"><li>Trained and optimized classification models, such as logistic regression and random forest, to predict heart disease risk, and evaluated performance using accuracy, F1 score, and explainability plots.</li><li>Collaborated on developing Q&amp;A systems with Generative AI, designing and testing APIs, and implementing natural language querying for enhanced user interaction and data accessibility.</li><li><b>Technical Stack Utilized:</b> Python, Scikit-learn, Pandas, NumPy, Flask, Generative AI frameworks, SQL, ML.</li></ul>	

TECHNICAL SKILLS

<ul style="list-style-type: none"><li><b>Programming/Scripting Languages:</b> Python, HTML, CSS, JavaScript, Java, C/C++</li><li><b>Cloud, Database Technologies &amp; Querying:</b> MySQL, Docker, Azure Data Studio, Spark, MongoDB</li><li><b>Data Analysis &amp; Dashboarding tools:</b> Exploratory and Statistical analysis (AI &amp; ML), Modelling, Data Analytics</li><li><b>Tools &amp; Platforms:</b> Git, Jupyter, Google Colaboratory, Anaconda, NetBeans, Code Blocks, VS Code, PyCharm, Microsoft Office 365</li><li><b>Knowledge:</b> Generative AI, LLMs</li></ul>
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ACADEMIC PROJECTS

Network Intrusion Detection System using Multi Model Decision Trees and Phishing Detection using ML	Aug 2023 - Dec 2023
<ul style="list-style-type: none"><li>Developed an IDS using Decision Tree Classifier with 99% accuracy on the NSL-KDD dataset, enhancing cyber-attack detection.</li><li>Reduced false positives in cyber-attack detection, improving system reliability and efficiency.</li><li>Addressed phishing threats by implementing Logistic Regression and Multinomial Naive Bayes for URL analysis, boosting user protection and cybersecurity.</li><li><b>Technical Stack Utilized:</b> Python, Pandas, NumPy, Machine Learning Algorithms, API Deployment, Data Visualization.</li></ul>	
Twitter Analysis Using MapReduce and comparison with Serial Execution	Jan 2023 - Apr 2023
<ul style="list-style-type: none"><li>Leveraged MapReduce for parallel processing to efficiently analyze and cluster health-related tweets, improving big data handling.</li><li>Implemented document clustering using Term Frequency tables and optimized performance through comparison with serial execution.</li><li>Created a visualization dashboard to present the analysis results, enabling stakeholders to easily interpret trends and insights from the clustered data.</li><li><b>Technical Stack Utilized:</b> Python, MapReduce, Apache Spark, RESTful APIs, Pandas, Scikit-learn</li></ul>	
Medical Application for Leukemia Patients using Deep Learning and Steganography	Jan 2023 - Apr 2023
<ul style="list-style-type: none"><li>Created a web-based medical application using deep learning and steganography for leukemia diagnosis.</li><li>Developed a model for classifying leukemia from blood cell images, concealing prediction probabilities through steganography for doctor decryption.</li><li>Established user authentication and data security measures to protect sensitive patient information, ensuring compliance with medical data privacy standards.</li><li><b>Technical Stack Utilized:</b> Python, Django, HTML, CSS, TensorFlow, Keras, Pandas, NumPy, OpenCV.</li></ul>	

CERTIFICATION

<ul style="list-style-type: none"><li>Microsoft Security, Compliance, and Identity Fundamentals (SC 900) - Certified in security principles, compliance, and identity management solutions.</li></ul>
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LEADERSHIP, INVOLVEMENT AND ACHIEVEMENTS

<ul style="list-style-type: none"><li>Headed and managed the Big Data project, addressing database limitations and leading operations for search engine optimization.</li><li>Actively participated in three-day Startup Street 8.0 Hackathon, focusing on front-end development, and contributing to innovative UI design and implementation.</li><li>Spearheaded the UNICONNECT project to connect college students through an innovative online platform and pioneered a platform to promote fairness in transactions for emerging artists.</li><li>NSS member, attended a camp on "E-waste Impact and Mitigation," annually contributed to Rural Development Trust, and was active with Generation Yuva NGO supporting orphaned child beggars.</li></ul>
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