

# Rohit Gangadhar Pari

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## EDUCATION

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- **Arizona State University** Tempe, AZ  
*Master of Science in Information Technology; GPA: 3.33* Aug. 2023 – Present
- **Rajalakshmi Engineering College** Chennai, India  
*Bachelor of Engineering in Computer Science Engineering; GPA: 3.42 (8.22/10.0)* Aug. 2019 – July. 2023

## EXPERIENCE

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- **Virtusa Consultancy Services** Chennai, India  
*Delivery Lead* Mar 2022 - Mar 2023
  - **FinTech Application Development and Compiler Optimization:** Managed a team of 5, integrating DevOps practices to develop a specialized banking web application, creating loan prediction models with TensorFlow and Keras. Optimized server compilers using code-vectorization for accelerated model training and fine-tuned ML/DL models for diverse loan types using varied datasets improving prediction accuracy by 30%.
  - **Frontend response optimization and Analytical Integration:** Led Flask and Django integration for the app, improving server response by 40%, especially for loading large datasets. Used PowerBI and Tableau for decision-making analytics on 500,000+ applicants enhancing user experience.
  - **Software Management:** Managed project documentation, streamlining software development, cloud engineering, and security protocols, reducing security incidents by 15% and bolstering project compliance and security.
- **Rajalakshmi Engineering College** Chennai, India  
*Data Science Lab Technical Admin* Sep 2021 - Feb 2022
  - **PC Hardware Management:** Supervised the maintenance of the Data Science lab systems, guaranteeing optimal performance of both the hardware and operating system. Managed a team responsible for maintaining system and component records, incorporating knowledge from the Software Development Life-cycle.
  - **Knowledge Sharing Sessions:** Offered seminars on Data Mining and AI Principles, underpinning sessions with software development and system architecture knowledge.
- **ThinkLance** Chennai, India  
*ML Engineer* Apr 2021 - Aug 2021
  - **ML Model Development:** Developed machine learning models, enhancing sales forecasting. This resulted in a 10% revenue growth, processing over 100,000 data points monthly.
  - **Pipeline Deployment:** Successfully launched 5+ web applications using Flask and Django for various clients and their use-cases with proven increase in expected sale results.
- **Rajalakshmi Engineering College** Chennai, India  
*Research and IT Assistant* Jan 2021 - Mar 2021
  - **Project Collaboration and Innovation:** Collaborated on a Capsule Networks project for X-ray classification, improving accuracy and showcasing my machine learning application skills.
  - **Technical Development and Optimization:** Developed and optimized CapsNet models, significantly enhancing classification accuracy over traditional methods, demonstrating technical and problem-solving capabilities.
  - **IT Support:** Contributed to research publication in a peer-reviewed journal, showcasing innovation and communication; Efficiently managed records and IT support, ensuring organizational and system proficiency.

## PROJECTS

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- **Quantum based Messaging Protocol Platform:** Developed quantum cryptography system leveraging superposition and entanglement for secure key distribution, implementing BB84 protocol for robust information-theoretic security.
- **Classification of Chest X-ray images using Swin Transformer:** Attained 98% pneumonia classification accuracy with Swin Transformer model optimized on histogram equalized chest X-ray images, enabling 10x data augmentation and quality enhancement.
- **Real-time Disease-risk Prediction using Arduino:** Developed LSTM-based system for clinical deterioration prediction from physiological sensor data, integrating real-time dashboards and FHIR-based scheduling for proactive doctor consultations during high-risk predictions.

## PROGRAMMING SKILLS

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• **Languages:** C/C++, Java, SQL, Python, R, C#, Scripting

**Technologies:** GCE, Git, MS Office