AMRUTH PAI THUKARAM

Dallas, TX, United States

📞 469-465-4829 ✉ amruthpaiuni@gmail.com in linkedin.com/in/amruthpai ⬤ github.com/Immortal-Pi

Education

University of Texas at Dallas   **Aug 2024 - May 2026**
Master of Science in Business Analytics & AI
Coursework: Analytics with R, Advance Statistics, Database Foundation, Data Visualization

Nitte Meenakshi Institute of Technology   **Aug 2015 - Aug 2019**
Bachelor of Science in Computer Science and Engineering
Coursework: Statistics, Python Programming, Machine Learning, Software Engineering

Technical Skills

Languages: Python, R, IBM DB2/SQL, AS400/RPGLE/CLLE
Tools & Technologies/Frameworks: VS Code, MS-Excel, Tableau, Hugging Face, Linux, GitHub, Git
Algorithms & Models: Random Forest, Time Series Analysis, Logistic Regression, U-Net, Decision Tree
Certifications: IBM Professional Data Science, DeepLearning.AI TensorFlow Developer, IBM AI Engineer

Work-Experience

Infosys   **Aug 2019 - Mar 2024**
Associate Consultant   *Bangalore, India*
- Developed and maintained As400 systems using RPGLE & CL programming languages
- Provided technical support to clients, resolved system issues and minimum downtime
- Collaborated with cross-functional teams to ensure seamless system integration and data consistency across platforms
- Improved system performance by 15% through optimization and code refactoring
- Enhanced productivity and facilitated efficient data transfer for timely job execution by implementing JAVA API to interface with the IBM-iSeries system and automating client reports
- Mentored junior developers, fostering skill development and contributing to the team's overall growth and productivity

Infosys   **Jan 2019 - May 2019**
System Engineer Intern   *Mysuru, India*
- Led the development of a comprehensive full stack application tailored for Nike retailers, ensuring seamless integration between front-end and back-end components
- Engineered backend using JAVA, Spring Boot and RESTful Web services API
- Designed and implemented the front-end interface with Angular and utilized MySQL for database management

Biztime IT Solutions   **May 2018 - July 2018**
System Engineer Intern   *Bangalore, India*
- Contributed to the development of ZonalDesk, a mobile application designed to deliver fast and reliable everyday services to people in rural areas with limited accessibility
- Played a key role in implementing Google Maps API to create an intuitive and functional map interface, enhancing the app's usability and service accessibility
- Utilized Android Studio for app development, ensuring a smooth user experience on low-resource devices

Projects & Leadership

Satellite Imagery | Python, Deep Learning, CNN, U-Net, OpenCV, Hugging Face, Weights and biases   **Mar 2024 - Jul 2024**
- Developed and deployed a satellite image segmentation model on Hugging Face, enabling segmentation of images
- Integrated a U-Net CNN model for training on satellite images, optimizing it for precise segmentation tasks
- Utilized Weights and Biases for comprehensive training diagnostics, including accuracy and loss tracking, ensuring optimal model performance

Blind Assist | Python, CNN, YOLOv2, OpenCV, RaspberryPi   **Mar 2019 - Aug 2019**
- Constructed an IoT device to enhance the navigation and interaction capabilities of visually impaired individuals, offering a comprehensive solution through advanced technologies
- Integrated YOLOv2 algorithm for accurate object detection, Tesseract for text recognition, and OpenCV for path detection, ensuring reliable guidance
- Utilized Google Text to Speech API to facilitate seamless interaction between the device and the user, providing real-time feedback and instructions