SARWESH KRISHNAN

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EDUCATION

Texas A&M University   **College Station, Texas**
Master of Computer Science; GPA: 4.0/4.0   *Aug'18 - May'20(expected)*

National Institute of Technology   **Tiruchirappalli, India**
Bachelor of Technology, Instrumentation and Control; GPA: 8.28/10   *Jul'12 - May'16*

RELEVANT SKILLS

- Programming languages: C++, C#, HTML/CSS, JavaScript, Node.js, Python
- Frameworks: Angular, Express, Rails, WPF
- Tools: Git, Jenkins, TFS, Visual Studio
- Coursework: Analysis of Algorithms, Artificial Intelligence, Data Structures and Algorithms, Neural Networks and Fuzzy Logic, Software Engineering

EXPERIENCE

Fidelity Investments   **Chennai, India**
Software Engineer   *Jul'16 - Jul'18*
1. Enhanced a Windows Presentation Foundation application used by 20,000+ customer representatives
2. Integrated experiences like Voice Biometrics and Two-Factor Authentication systems within applications
3. Employed the Software as a Service architecture by developing Windows Communication Foundation services
4. Migrated legacy .NET applications to Angular-Node.js technology stack; also assisted in end-user training

Fidelity Investments   **Bangalore, India**
Software Engineering Intern   *May'15 – Jul'15*
1. Collaborated with the Infrastructure team to store vital server logs in an Hadoop Distributed File System
2. Developed producer and consumer scripts in Python for publishing/retrieving server logs via Kafka
3. Improved ETL processes from Hadoop HDFS by creating a data aggregation pipeline using Apache Spark
4. Created a visualization/reporting tool using Tableau for rendering live server usage stats

PROJECTS

Self-Evaluation Portal   *https://github.com/sarweshkrishnan/Self-Evaluation-Portal-CSCE625*
- Developed an evaluation portal to help students assess their preparation for taking graduate-level courses.
- Created the views and controllers for Quiz & Instructor modules using the Ruby on Rails framework.

Person Re-Identification   *https://github.com/sarweshkrishnan/Person-ReID*
- Trained the ResNet50 backbone network with images segmented using the Deeplab learning model.
- Achieved a Mean Average Precision(mAP) of 0.8502 using Background-Subtraction and Bootstrap strategies.

Pragyan - Content Management System   *https://github.com/delta/pragyan*
- Developed the Forms module in Pragyan CMS, a modular open-source Content Management System.
- Created reusable standardized CSS design templates.

POSITIONS OF RESPONSIBILITY

Head of Web Operations, Sensors'16
Lead a team of 5+ student programmers for developing applications for Sensors, NIT Tiruchirappalli's national-level technical symposium. The 2016 edition of Sensors saw an unprecedented amount of website traffic and 1000+ user registrations.

Core Member, Delta Force
Collaborated in numerous web development projects as part of Delta, NIT Tiruchirappalli's programming club. Was instrumental in developing many web applications/services for the University.

Volunteer, National Service Scheme
Participated in multiple school restoration activites conducted by National Service Scheme, India.