Harshini Gadige

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EDUCATION

Southern Illinois University
MS in Computer Science 2018-Present| GPA : 4.0 **Student Body –** Chi-Alpha **Courses:** Agents and Multi-agents, Artificial Intelligence, Web Application Development.

JNTU University, India
B.Tech in Computer Science
GPA : 4.0
Thesis – Cross Domain Sentiment Classification Using Sentiment Sensitive Embeddings
Student Body - Secretary of CSI & CIIA professional body (2014-15)
Courses: Advanced Data Structures, Distributed Systems, Compiler Design

KEY TECHNICAL SKILLS

Languages:
C, C++, Java, Python, R, Swift, Javascript, SQL, Php, Node.js, Angular
Databases :
Oracle, MySQL, SQLite
Tools :
Weka, Tableau, PDI, AWS, Hadoop, Apache Spark, Tomcat, Git, Jira, Docker, MS Office, Eclipse, OIM, Shell, Google Cloud Platform, Heroku

INTERNSHIPS

Ambest Technologies
- Provable Maximization scheme with Guaranteed quality of Service in Cloud Computing..

Bharat Sanchar Nigam Ltd
- Online telephone directory using ISD codes(Data - 10M+ real-time users from the state)

Central University Of Hyderabad
HPC Research Intern
- Used MPI to implement evolutionary algorithms and parallel programming on 1024 cores

LEADERSHIP

Organizer
- international conferences FICTA, INDIA.

Team Leader
- AIESEC OGCDP (Largest youth-run Non-Profit)

First Position Winner - BRECW
- Collegiate Hackathon

PUBLICATIONS

- **Password Handling Using Database.**

EXPERIENCE

Southern Illinois University

Graduate Assistant | Dr. Michael Barkdoll.   2018. – Now

- Worked as Linux System Administrator at Southern Illinois University Computer Science Department.
- Responsible to encrypt the hard drives and maintain security
- Resolve the networking issues
- Security: Strengthened system/network security and planning as a member of Southern Illinois Universities security incident response team.
- Troubleshooting: Rectified many issues by instituting best practices in system log analysis, backups, network operating center security, user account/permissions management and systems/software auditing.

Nfinity Solutions

Business Analyst | Hyderabad, India
- Organized and maintained a large database of employee and employer details and visualized using Tableau
- Worked on business policies and existing bugs in the applications

PROJECTS

Statistical Inferencing on Microsurgery Study data | R
- Used microsurgery research data to retrieve important patterns in the relationship of sympathetic arousal and performance in learning tasks
- Created regression models, conducted t-test,anova to analyse data

Real Time Object Detection Using YOLO | Python (OpenCV)
- Applied convolutional neural network algorithm YOLO on different datasets. Annotated a custom dataset and tested it against a pre-trained model and a model trained on custom dataset

Sentiment Analysis on Twitter Data | Python (NLTK)
- Analysed the polarity of the data and mapping them to an emotion using machine learning

Agent learns Paths in a grid world | Java
- Agent learns attractive paths from feedback using reinforcement learning (Q-Learning and SARSA)

Client Address Book | Php
- Basic Php project to store clients details efficiently using encrypted passwords in the database.
- Performed CRUD operations for efficiently organizing the data.

Flight Data Analysis Using Map-Reduce Model | Python, Hadoop
- Analysing the delay of 21Million flight records using a 400 core cluster and finding the trends in the working of various airports

PAPER PRESENTATIONS

- On the topic "**Robotics and Artificial Intelligence**" at the Annual Technical Events Day held in our college in 2016 and won second prize.
- Poster Presentation on the topic "**Cyber security and Cyber laws**" at the technical meet held at our college in 2014 and won third prize.
- Poster Presentation on the topic "**IOT(Internet Of Things)**" at the technical meet held at our college in 2015 and won first prize.