

Anurag Panwar

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Objective To obtain a position that will enable me to use my strong organizational skills and educational background

EDUCATION

University of South Florida
MS IN COMPUTER SCIENCE
May 2016 | Tampa, FL
Cum. GPA: 4.0/4.0

Indian Institute of Technology
BS IN COMPUTER SCIENCE
May 2012 | Guwahati, AS, India
Thesis: Network based approach to predict the disease gene
Cum. GPA: 3.7/4.0

SKILLS

- **Languages:** Python, Java, C, C++, R, MATLAB, PHP, MySQL, JavaScript, RUBY, JSP, ABAP, jQuery, Shell, HTML5
- **Frameworks:** Hadoop (MapReduce, Streaming), Spark, HBase, scikit-learn, numpy, scipy, Pig, JQuery Mobile
- **Other:** MongoDB, Regular Expressions, Threads, Sockets, Database Design, L^AT_EX

COURSEWORK

Academic Projects

Designed deep neural network

- Developed feed-forward and back-propagation in python
- Dropout
- Investigate performance of sigmoid, relu and tanh as activation function
- Applied centralization and normalization to training data

A-Star Algorithm

- Implemented along with UI as part of AI course in JAVA

Pint OS: Enhanced the OS kernel

- Improved the functionality of Pint OS by implementing advanced constructs, in C

Graduate

- Introduction to Hadoop and Big Data
- Deep Learning and Neural Networks
- Advanced Data Mining
- Analysis of Algorithms
- Introduction to AI
- Advanced Network Security
- Distributed Operating System
- Computer Vision in Machine Learning

Undergraduate

- Machine Learning
- Computer Networks
- Information Retrieval
- Advanced Topics in Database

LINKS

Github:// [panwaranurag](#)
LinkedIn:// [anuragpanwar](#)
Quora:// [Anurag-Panwar](#)

EXPERIENCE

University of South Florida | GRADUATE RESEARCH ASSISTANT (BIG DATA)
July 2014 – Present | Tampa, FL

- User fingerprinting using network forensic based on deep learning models
- Created web based Real-time Heatmap visualization tool for tweet related keyword using Twitter streaming API in Python
- Devised SentiTU: Music recommendation based on Social Media sentiment of User using Django web framework and Python
- Designed and implemented Sentiment analysis based algorithms to detect the mood of a person using his/her social media data using Java and Python

Aclara Technologies | MACHINE LEARNING INTERN, R&D
May 2015 – Aug 2015 | St Louis, MO

- Worked as a part of team to develop Machine Learning techniques to get insight of data. Research will help in creating new products like battery life prediction
- Designed web application prototype for troubleshooting Fault Detection and Localization research related problems using Javascript, PHP and Java
- Rated as the “Best Intern” by R&D team

Indian Oil | BIG DATA ENGINEER
Aug 2012 – Jul 2014 | New Delhi, India

- Helped in implementing SAP HANA (high performance analytic appliance). Provides functionality like in-memory computing, column-oriented, RDBMS. Assisted sales officer with real-time monitoring of sales order.
- Created three mobile applications: mPower for sales officers, Xsparsh for sales customers to access the SAP ERP of IndianOil and Xsnehash (GPS application on Google maps).

Mogreet Inc. | DATA SCIENCE INTERN
May 2011 – Jul 2011 | Los Angeles, CA

- Developed data analytic techniques to see the relative changes in different subsystems using R and neural network approach
- Implemented the QR(Quick response) encoder, which generates the QR code for the URL, text and mobile message using Ruby and Python
- Helped Mogreet in marketing various client campaigns using QR code

Pohang University of Science and Technology | RESEARCH ASSISTANT INTERN
May 2010 – Jul 2010 | Pohang, South Korea

- Lead the development of Secure Server/Client installer for the enterprise edition of Debian Lenny for secure installation using TPM

RESEARCH PUBLICATIONS

- Anurag Panwar, Mariam Al-Lami, Pratoool Bharti, Sriram Chellappan, Joel Burken, “Determining the Effectiveness of Soil Treatment on Plant Stress using Smart-phone Cameras”, to appear in Proc. of Intl. Conf. on Selected Topics in Mobile and Wireless Networking (MoWNet), Cairo, Egypt, April 2016

AWARDS & HONORS

CS Academic Achievement Award	Achieving 4.0/4.0 GPA at Missouri S&T
Top 0.1% in 3,00,000 entrants	Joint Entrance Examination (JEE) for IITs
Awarded Certificate of Merit in Science	Central Board of Secondary Education, India

LEADERSHIP & AFFILIATIONS

2015	Recipient of CS Ambassador Award, Missouri S&T
2014	Department Representative in Council of Graduate Student (CGS), Missouri S&T
2014	Committee Member of International Student Club(ISC), Missouri S&T
2014	Committee member of Diversity Leadership Program(DLC) at Missouri S&T
2014	Missouri S&T- Computer Science Department - Graduate Fellowship Recipient