LinkedIn : in/yashkumarshiroya   yshiroya@purdue.edu   West Lafayette, IN, USA

Yashkumar Shiroya

EDUCATION

Graduation: December 2017

PURDUE UNIVERSITY – West Lafayette
+ Relevant Coursework: **CS 252**: *Systems Programming*, **CS 348**: *Information Systems*, **CS 251:** *Data Structures and Algorithms*, **CS 250:** *Computer Architecture*, **CS 240:** *C Programming*, **CS 180**: *Introduction to Object Oriented Programming*.

EXPERIENCE

Summer 2016

RESEARCH INTERN: MACHINE LEARNING – *Qatar Computing Research Institute*
+ Design methods and techniques in Perl to produce a system that predicts credibility and reliability of an answer in question/answer situations such as Stack Overflow etc.
+ Tested credibility features with *Support Vector Machines* to produce calibrated parameters for making consistent predictions in various question answer settings.

Fall 2015

CS 190 TEACHING ASSISTANT – *UNIX, Tools, Purdue University*
+ Introduced and familiarized students with a wide variety of UNIX shells and tools.
+ Taught creative ways of debugging and working in the UNIX environment.

PROJECTS

JDBC Curriculum Manager

Curriculum manager tracks students, teachers, courses, dependencies deployed in a SQL backend controlled by Java based client interconnected by JDBC (Java Database Connectivity Library) for direct SQL database manipulation.

Crawl-Bot

Designed a bot crawler and HTML parser that runs through various domains and parses their source, collecting useful tag data in various data structures for efficient indexing.

Search Engine

Built AVL Tree, Hash Table based search engine that used Web Crawler to pull relevant data.

GTK Chat Client

Created an IRC chat client using GTK+ GUI toolkit and supported it with C++ back-end.

Terminal(Custom Shell)

Wrote and designed a customized shell that would provide functionality provided by modern linux shells such as Bash written in C/C++ and YACC, LEX.

ORGANIZATIONS

Global Science Mentor

Mentored and led a team of incoming freshmen, to help them integrate in the campus activities, infrastructure/facilities so that they can connect better with campus life.

Purdue Hackers Organization team

Core team member, conceptualized, led and created campus events such as hackathons and programming events to motivate students in the field of Computer Science.

BoilerMake Hackathon Volunteer

Organized the event, coordinated arrangements and aided in managing the overall hackathon framework.

SKILLS

Languages

C, C++, Java, Perl, SQL, HTML 5, CSS 3, JavaScript, Visual Basic.

Frameworks & Additional

GTK+ 3.0, JDBC.