Ashish Jindal

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Education

Rutgers University - New Brunswick   New Jersey, US
MS in Computer Science; GPA : 4.0   *Aug, 2015 – May, 2017*
- Key Courses: Data Structures and Algorithms, Operating Systems Design, Database Systems Implementation.

National Institute of Technology - Hamirpur   Himachal Pradesh, India
B.Tech. in Electronics and Communication Engineering; CGPI : 7.83   *Aug, 2008 – May, 2012*
- Key Courses: Digital Electronics and Logic Design, Data Structures, Microprocessors, Micro-Controllers and Embedded System Design, Mobile Communication, Differential Equations and Probability.

Work Experience

Nagarro Inc   Jul, 2012 – Jul, 2015
Software Engineer
- Worked on a Java based supply chain management system for a leading European airline company. Upgraded data export services of the application using Apache poi-SXSSF, implemented reusable front end components using Apache Tiles and wrote back-end services with Spring framework.
- Actively involved in development and maintenance of a WIN32 and MFC based desktop application. Work involved implementing frond-end components and back-end services using C/C++ (WIN32/MFC). Awarded with "Most Promising Fresher" award for my work in this project.

Projects

Linux Scheduler: Implemented multi level feedback queues based scheduler in Linux kernel 2.4 and verified its improved performance over the older O(n) scheduler. Also handled priority inversion scenario in the scheduler implementation using priority parenting strategy. [C]

Simple File System: Implemented a basic version of Unix File System using Fuse module. Files system supports create/delete/read/write of files using direct indexing and also supports mkdir/rm/ls on directory entries. [C, Fuse]

Wikipedia data analysis using Hadoop: Analysed Wikipedia page view count logs using a simple baseline algorithm to find the trending Wikipedia pages in the sampling interval. Also compared the relative page ranks of Wiki pages using Map-Reduce. Nominated as best class project. [Java, Hadoop, MongoDB, SpringMVC, AWS]

Web based Employee portal: Implemented an employee portal application for a call center company as a freelancer project with features including work tracking, shift management, payroll management, holiday/leave management and performance tracking. [Java, Spring, Hibernate, Apache Tiles, Bootstrap]

Awards

Most Promising Fresher: Received this award from my employer - Nagarro.

Gold Medal: Won gold medal in National Mathematics Olympiad, India.

Skills

Languages: C (Proficient), C++ (Intermediate), Java (Intermediate), HTML (Proficient), CSS (Intermediate), JavaScript (Beginner), SQL (Beginner)

Technologies: MongoDB (Beginner), SpringMVC (Intermediate), Hibernate (Intermediate), Spring Security (Beginner), Apache Tiles (Beginner), Bootstrap (Intermediate), Hadoop (Beginner), AWS [S3, EMR, EC2] (Beginner)