Amar Chandole

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EDUCATION

University of California, Los Angeles
M.S. in Computer Science

September 2016 - Present

Current Coursework – Advanced Computer Networks, Advanced Computer Architecture, Network Protocol and Systems Software Design for Wireless and Mobile

Pune Institute of Computer Technology, India – GPA 3.8/4.0
B.E. in Information Technology

August 2012 - June 2016

Relevant Coursework – Data Structures, Design & Analysis of Algorithms, Operating Systems, Computer Networks, System Programming,

EXPERIENCE

Ryussi Technologies — *Intern*

June 2016 - August 2016

Developed a 3-in-1 Docker volume plugin (for ZFS Pools, SMB shares, NFS shares) that enables users to mount anywhere on the host to get persistent storage, even if the Docker volume is removed.

Soft Corner — *Intern*

November 2014 - December 2014

Developed a generic form generator (much like Google forms). Used Python, Django Framework, jQuery and MongoDB for the same.

PROJECTS

Content-based Storage Mode in Btrfs — *filesystems*

Designed and implemented a system for the Btrfs filesystem which enables storage and retrieval of files based on the hash of their content. Hash vs inode_no mapping was used. **Enhanced the file retrieval speed by about 30%** and introduced **inherent file-level deduplication** to save storage space.

Result Analyzer — *databases, regex*

Developed a software that uses regex to intelligently parse various fields from the Pune University examination results pdf document to populate the database. Also provided comprehensive analysis of the results.

HTTP Log and TCP/IP Data Summarization and Analysis — *network log analysis*

Developed a comprehensive analyzer for processing and summarization of HTTP logs & packet capture files.

e-Booking application for Flight-Booking — *web, graphs*

Developed a web app using LAMP stack. To generate meaningful suggestions of connected flights, developed a suggester module implementing graph-based traversal.

SKILLS

– C, C++, Python, Java
– Linux kernel development
– Filesystem architecture
– Web, SQL, MongoDB
– Docker, Hadoop, Django
– Photography
– Singing, Writing
– Music Composition

AWARDS

Best Project Award
4 awards at 3 nationally contested project competitions for the project 'Content-based storage mode in Btrfs'

Best Innovation Award
For the project 'Content – based storage mode in Btrfs' out of over 200 projects at INC, a national level project competition.

Best Sci-Fi Idea Award
V2R: Vibes to reality, a hypothetical futuristic communication system based on brain waves.

LEADERSHIP EXPERIENCE

President, PICT Art Circle
Led over 100 theater enthusiasts to multiple prestigious theater competition prizes.

Founding Photography Coordinator at the startup magazine **Pictorially Speaking**. Successfully built the team and established a large user base.