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EDUCATION

- **University of California San Diego**
Master of Science in Computer Science (CGPA: 3.75/4.0) Sept'15 – Present
- **Indian Institute of Technology Roorkee**
Bachelor of Technology in Electronics and Comm. Engineering July'07 - May'11

RELEVANT COURSES

Principles of Artificial Intelligence: Probabilistic Reason & Learning, Data Mining and Analytics, Machine Learning, Neural Networks, Design and Analysis of Algorithms, Data Structures, Big Data Analytics using Spark

TECHNICAL SKILLS

- Languages: Java, Python, C and C++(Prior experience)
- Databases: Postgresql, Cassandra(NoSQL), Redis(in memory)
- ML frameworks: Scikit-learn, Dato, Caffe(for CNN)

RELEVANT ACADEMIC PROJECTS

- Trained a Recurrent Neural Network for Image Captioning of flickr8k dataset with Meteor Score of 16.7
- Developed a Convolutional NN for image classification on Cifar-100 dataset with an accuracy of 54.6%
- Developed “Helpfulness Prediction” system for amazon reviews, with 15th rank in [Kaggle](#) competition
- Developed an OCR system for Handwritten Hindi Characters as my Bachelor Project.

WORK EXPERIENCE

Software Engineer, InMobi, India Sept'13 - May'15

Data Analytics Team (Life Time Value Platform)

- Worked on developing Data Analytics platform which received large scale events (1.7 billion/day) from smart phone app users around the world
- Implemented storage and real-time analysis of events and user segmentation for relevant ad serving
- Scheduled periodic jobs and generated pseudo-real time reports from this event data
- Used Java, Cassandra DB, Redis, Thrift and REST(Jersey) services based technologies

Platform and Networking Team (Pla/Net)

- Designed and Developed Role Based Access Control Service for authorization of other services at InMobi
- Implemented Provisioning, User-Level authorization and Service-Service authorization
- Used Java, Postgresql, Google Guice, Thrift services based technologies

Systems SE, Avatar FS, Hewlett Packard-ISO July'11 - Aug'13

- Designed and developed test scenarios to ensure of stability, data integrity, performance of the File System
- FS Features: Volume allocation Zones, File Pre-allocation, Transaction Logging, Delayed Allocation
- Developed a framework for easier multi-threaded testing of file system, currently being used by the team

OTHER TECHNICAL PROJECTS

- Mobile Event Security, Inmobi (May'14-June'14): Implemented security of incoming mobile app data from XSS(cross site scripting) and XSRF(cross site request forgery). Used Java, AOP, Hibernate Validator
- ABU-ROBOCON'10: As member of IIT Roorkee's ROBOCON-2010 team, worked on design and development of autonomous robots for pyramid building task. Used Arduino microprocessor
- Industrial Training, IBM (May'10 – July'10): Developed a sample application that is used to show-case all the capabilities of Rational Team Concert (SCM tool) for Microsoft Visual Studio IDE. C#, .Net

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- Teaching Assistant, Design and Analysis of Algorithms, Winter 2016, UCSD
- Held Complete ownership of Data Analytics project during Oct'14 to March'15, Inmobi
- All India Rank 887 (top 0.4 %) in Joint Entrance Exam-2007 for admission in Indian Institute of Technology
- All India Rank 844 (top 0.3 %) in AIEEE (All India Engineering Entrance Exam)-2007