Sudip Bhandari

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ICPC ID ACM

LinkedIn

Github

Stack Exchange Network

Education

- **Sona College of Technology** — Salem Tamil-Nadu
  BE, Computer Science and Engineering (CGPA: 9.0/10) — *August 2012 - June 2016*
  - Relevant courses: Data Strucutures, Algorithm Analysis and Design, Operating Systems, Computer Networks, Theory of Computation, Artificial Intelligence, Data mining,Multivariable calculus and matrices, 'Vector Calculus, differential equations and complex analysis',Linera algebra and fourier series, Probability and Queuing theory, Discrete Mathematics, Numerical methods for engineering computation
  - Studied under full academic scholarship by Indian Embassy Nepal

- **St. Xavier's College** — Kathmandu Nepal
  11th and 12th — *2009-2011*
  - Studied Physics,Chem,Bio,Maths and language(English+Nepali)
  - Studied under combined scholarship provided by Indian Embassy and the college (12th)

Work Experience

- **AxisRooms Travel Distributions Pvt Ltd** — Jayanagar, Bangalore
  Java Developer — *April 2017 - Present*
  - Worked on Channel Manager and API Integration for various OTA(Open Travel Alliance)
  - REST,SOAP Web services

- **Aindra Systems** — JP Nagar, Bangalore
  Assistant Product Engineer — *June 2016 - March 2017*
  - Worked on various part of product called 'smart attendance' which does face recognition based on classification done by support vector machines(svm) from features extracted from Deep neural network
  - Did benchmarking of face recognition,classification and verification algorithms. Wrote multiple python and BASH scripts while doing so under the guidance of senior researchers
  - Added features,debugged the existing mobile application built for android platform which captures images along with geospatial data providing an interface for the cloud based face recognition(FR) product
  - Designed and built selfie based attendance application for android platform as an extension to the Face recognition System. Integrated Google Vision api for better,faster face detection and tracking.

- Designed a product for object detection and optical character recognition. Work included solution architecting, DB Schema, API design and implementation, API integration with algorithm and a mobile app for android platform to capture images and trigger API using store and forward mechanism.
- Added features,debugged java APIs written for backend to mobile/web interaction written in jersey framework and deployed on JBOSS server. Added CORS(Cross origin resource sharing) capability to the API which brought significant improvement in the web portal performance
- API performance evaluation in terms of server load, concurrency check using jmeter as well as resource usage monitoring in the server
- Built plugins for a bioimageanalysis software called Icy to help researchers annotate ROI(Regions of interest) easily
- Added features,debugged,enhancements to the web portal along with occasional interaction with customers

- **Ayycon Technologies**   Chennai
  Intern   *Jan 2016 - Feb 2016*
  - Worked with the integration of an open source file uploading tool called 'fineuploader' into an already existing web application. Worked mostly on PHP (LAMP stack)

UnderGrad Projects

- **Recommender System**   Salem, Tamil Nadu
  Final year project   *Jan 2016-June 2016*
  - Designed and built a simple recommender system using euclidean distance based similarity measure (https://github.com/sudipbhandari126/recommender)
  - Similarity parameter (0-100) could be controlled by the end user
  - Used Java, Swings(GUI) and MySql backend

Awards

- Mahatma Gandhi Scholarship 2011

- First Position in Open Essay writing competition -Milestone Intl College-Kathmandu Theme: Environment and Social and Development 2009

- First Position in Open Idea Contest "Watershed Restoration and Development" (Better world family International about conservation of rivers in Kathmandu Nepal)

- Indian Embassy full scholarship for BE study in India

- Excellent Academic Performance (Sona College of technology) (2015-16)

- Selected for Amritapuri regional in ACM ICPC programming contest 2013 (Team name: codrammar) and 2015. (ACM member Student)

Skills

Languages: C/C++,Java, Python

Operating Systems: Linux (Ubuntu,Mint), Windows

Web: HTML5,CSS,JavaScript,Bootstrap,Php

Mobile application: Android platform

Applications/IDE: Pycharm,Eclipse,Android Studio

VCS: git

Server: Apache, JBOSS, Docker,Tomcat

Miscellaneous: Linux Server setup and administration

Interests

Sports: cycling, swimming, long distance marathon

Musical: Guitar,Harmonica,Flute

Membership: Student member of ACM since 2013