
Koustubh Ubhegaonker

Computer Science and Engineering

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Curriculum Vitae

Summary:

I am interested in working on a real time problem solution based algorithms, applications or websites. Specifically following are my interests:

- Interested in developing Algorithms.
- Interested in Networking and Distributed Systems
- Interested in Development of Android Application.
- Interested in Development of Website(especially backend services)

Interests:

- Artificial Intelligence and its use and research and development.

Projects:

1. **Web-view based Mobile application which focused on providing alerts for college activities. (August 2015-December 2015)**

- Uses Web-View in Android Application. Web-view was used because of its growing usability and attractive features.
- User can view and keep himself updated with the details of various activities such as recruitment, seminars etc. or events help by various clubs of the institute
- Admin can update activities for the events going to be held.
- Notifications are sent with the help of Google Cloud Messaging.
- Technologies used : HTML,CSS,PHP,SQL

2. Android based Mobile Application for carpooling.(January 2016- May 2016)

- Android Application which lets users Offer a ride and Select a Ride from one place to another.
- Users going to same location such as people living in the same area and offices too in same area or students/teachers coming to the same institute.
- Users sign up providing information of their personal details such as Name, Mobile no, Email-address, Vehicle No and other details.
- User offering a ride enters information of Source and Destination Location and time of the start of journey. Details are saved in database.
- Users searching for a ride enters their Source and Destination Location and time at which they want to go. The entry is searched in database and a list of users offering the ride from same source and destination is shown.
- Google Maps API is used to select and store the location co-ordinates.
- Technologies used : JAVA,PHP,SQL.

3. Building Compact, Embeddable, Secure Software Router compatible with IPV4 and IPv6 using Linux kernel. (August 2016-Present)

Developing following modules for a microkernel using linux and shell scripting

1. Linux Kernel from kernel.org.

2. Principles from “Linux From Scratch LFS” and “Root File System” will be used to build and populate Linux kernel and file system.
3. Packet Filtering techniques from Net Filters.
4. GNU C Programming Compiler on Linux (GCC) will be used for compilation purpose.
5. Linux Bash Shell Scripting will used to create CLI Interface.

Volunteer Experiences:

- **Make A Difference** supports:

- Education
- Health

Worked as a volunteer and Human Resource Head of this organization in Nagpur.

Courses:

Independent Coursework

- Employability Skills (Under Prof. P. Agrawal) (HUT-401)
- Machine Learning (Under Prof. R. Hablani) (CST-404-2)
- Web Technologies (Under Prof. Mangesh Wanjari) (CST-404-1)

Department Coursework:

- Programming and Data Structures
- Graphs and Computer Networks
- Distributed Systems and Systems Security
- Database Systems
- Compilers and Automata Theory

Academic Records :

Course	College/ School	University/ board	Passing year	Percentage %
10th	First Step English Medium School	CBSE	2010	93
12th	Danielson English Medium School	MP Board	2012	79.8
BE	RCOEM		2014	CGPA: 7.58

Achievements:

- Achieved 7772 rank in JEE ADVANCED in year 2013.
- Achieved 2016 marks in JEE Mains.
- Played badminton and football upto district level.

Languages known:

- English
- Hindi
- Marathi

Personal details:

Date of Birth : 29th March 1994
Marital Status : Single
Gender : Male
Postal Address : 112, Vivekanand Colony
