

Devang Bacharwar

Computer Science and Engineering, IIT Mandi

about

109, B1, Parashar
Hostel, Kamand
IIT Mandi
Mandi, India

devang.bacharwar@
gmail.com
+91-9816111283
github: devangb
linkedin: devangb

programming

Proficient: C++, C,
Python, Ruby
Basic: PHP, Javascript,
Bash

frameworks

Rails

development tools

Vim, Linux, Sublime
text, Git, NaturalDocs

Education

since 2012	B. Tech. Computer Science and Engineering CGPA - 7.86(till VI th Semester)	Indian Institute of Technology, Mandi
2012	XIIth Std. Percentage - 84.6%	John Milton Public School, Agra
2010	Xth Std. GPA - 9.2	St. John's Sr. Sec. School, Firozabad

Internships

05-08 2015	Google Summer of Code 2015 <i>Application/Counter CSV files for HPX</i>	The STE AR Group
	Implemented the collection of performance counters and generating CSV files for performance counter data of HPX, a high performance C++ runtime. This is now helping in analysing the performance of HPX using data precessing tools	

Projects

08-11 2013	G-read Book recommender <i>Book rating, review and recommendation application developed under guidance of Dr. Sukumar Bhattacharya.</i>	Database Practicum
	A book recommendation web application implemented using Rails framework and postgresSQL. Application lets users rate and review books and get book recommendations. It also lets them follow other users and get feed based on their activity.	
02-06 2014	Autonomous Garbage collection bot <i>Project done under Dr. Rajeev Kumar and Dr. Ajay Soni.</i>	Design Practicum
	This project won first prize in openhouse. An autonomous garbage collecting bot developed for the purpose of cleaning parks and beaches. It used color deduction and edge detection algorithms running on raspberry pi for detecting garbage in uniform background.	
11-12 2013	Donate <i>Application to track and index donation of things.</i>	Inter-IIT Techmeet, IIT Bombay
	A web application developed for maintaining a database of donors and seekers implemented using Rails and SQLite, which can be used for different types of commodities.	
08 2015	Machine Learning algorithms library for Apache Flink <i>Project aims at implementing Machine learning algorithm libraries for Apache Flink under guidance of Dr. Arti Kashyap</i>	Major Technical Project
	Apache Flink is an open source platform for scalable batch and stream data processing. Flink is targeting machine learning aggressively. This project aims to contribute to Apache FlinkML.	

Workshops

- 01 2015 **MIT Media lab Design Innovation Workshop** Immersive Storytelling track
Let's stop drugs - Project aimed at providing a virtual experience of a LSD drug trip
- The workshop aimed at providing new interfaces and experiences in the field of immersive storytelling. The project Let's stop drug used Google cardboard with android application recreating the visual experience of LSD trip.

Courses

- IInd Semester Computation for Engineers, Linear Algebra
- IIIrd Semester Data structures and Algorithms, Mathematical Foundation for Computer Science, Database Practicum
- IVth Semester Advanced Data Structures and Algorithms, Design Practicum
- Vth Semester Computer Organization, Paradigms of Programming, Systems Practicum, Formal Languages and Automata Theory, Computational Financial Modelling, Software Engineering
- VIth Semester Design of Concurrent Softwares, Information and Database Systems, Communication of Distributed Processes, Large Applications Practicum, Algorithm Design and Analysis
- VIIth Semester Pattern Recognition, Digital Image Processing, Data Mining for Decision Making

Position of responsibility

- 2014-15 *Coordinator, Programme Management Club.*
- 02-06 2014 *Team Coordinator, Design Practicum.*
- 2013-14 *Control and Management Coordinator, Exodia'14, IIT Mandi's Techno-Cult fest.*
- 2013-14 *Coordinator, Debating Society.*

Scholarships, Awards and Achievements

- 2013-2015 Represented IIT Mandi at Inter-IIT Techmeet for three consecutive years [IIT Kanpur(2013), IIT Bombay(2014), IIT Kharagpur(2015)]
- 05 2014 Ist prize in Design Practicum.
- 10 2013 IIIrd prize in National competition Manthan organised by CAG

Extracurricular activities

- Active member of literary society.
- Active member of Programming club, ACM student chapter, Energy club.
- Active member of Programme management group, Art geeks.