

Rachuri Anirudh

Software Development Engineer
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Working Experience

- June'15– **At InMobi, Bangalore, Working as a *Software Development Engineer*.**
May'14– **At Amazon Development Center, Hyderabad, Worked as a Summer Intern as a *Software Development Engineer*.**
July'14

Educational Qualifications

- 2011–2015 **At IIT Guwahati, B.Tech in *Computer Science & Engineering*, Guwahati, India.**
CPI – **8.63** (on a scale of 10)
2009–2011 **At FIITJEE Junior College, Board of Intermediate Education, Andhra Pradesh, Hyderabad, India .**
Percentage – **94.5%**
2008–2009 **At Sri Vijnana Vihara School, Board of Secondary Education, Andhra Pradesh, Vijayawada, India .**
Percentage – **88.7%**

Research Interests

- o Data Mining
- o Machine Learning
- o Computational Geometry
- o Artificial Intelligence
- o Information Retrieval
- o Graph Theory

Projects

Linear Layouts of Chordal Bipartite Graphs *Bachelor Thesis Project*

Supervisor *Dr. S.V.Rao, Professor and Dr. Asish Mukhopadhyay, Honorary Professor, Dept. of Computer Science and Engineering, IIT Guwahati*

Description A research project with the aim of solving an unsolved problem of computing linear layouts of Chordal Bipartite Graphs in linear time in terms of number of edges and vertices. (*assuming no hinge edges or articulation points*)

Word Auto-Suggest *Summer Intern Project*

Supervisor *Saket Agarwal, Software Development Manager, Amazon, Seattle, Washington Technologies*
JAVA, JavaScript, jQuery, Amazon CloudSearch, Eclipse IDE.

Description Developed a jQuery dropdown plugin for a text box that gives the personalized suggestions for the next word based on the historical data.

Content Based Document Retrieval System *Course Project*

Supervisor *Dr. Sanasam Ranbir Singh, Assistant Professor, Dept. of C.S.E., IIT Guwahati*

Technologies	Python, Web2Py	
Description	Developed text document retrieval system to retrieve relevant documents for a given query among 160,000 documents using Information Retrieval techniques.	
	Human v/s Computer Game	<i>Course Project</i>
Instructor	Dr. Saswata Shannigrahi, Assistant Professor, Dept. of C.S.E., IIT Guwahati	
Description	Developed an ancient game called Kalah in JAVA using an artificial intelligence technique called Alpha-Beta pruning.	
	Classpal	<i>Summer Project</i>
Supervisor	Dr. T. Venkatesh, Assistant Professor, Dept. of C.S.E., IIT Guwahati	
Technologies	Android SDK, JAVA, Eclipse IDE, MySQL, PHP.	
Description	Developed android application for Aakash Tablets to enhance class room environment by creating a doubt portal for students to clear their classroom doubts easily.	

Courses

- Machine Learning: Data Mining, Information Retrieval, Computational Systems Biology, Artificial Intelligence.
- Theoretical: Discrete Maths, Data Structures, Algorithms, Automata theory, Theory of Computation, Computational geometry, Probability & Random Processes, Randomized algorithms.
- Systems: Digital Design, Computer Organization and Architecture, Operating Systems, Compilers, Databases, Computer Graphics, Compilers.
- Others: Software Engineering, Data Communication, Optimization, Networks.
- Labs: Databases, Compilers, Networks, Software Engineering, Systems Programming.

Technical Skills

- Programming Languages: C, C++, JAVA, Python and familiar with UNIX Shell Scripting.
- Web Development: HTML, CSS, JavaScript, jQuery, SQL, PHP, Tomcat, Twitter Bootstrap.
- Software Packages: Eclipse, Visual Studio, IntelliJ, Microsoft Office.
- Miscellaneous: Maven, Git, Hibernate framework and injection frameworks like Spring, Guice
- Have experience of Android Development in JAVA and .NET Framework languages - VB, Visual C++, Visual C#.

Academic Achievements

- All India Rank **1568 (Top 0.4%)** in IIT-Joint Entrance Examination (**IIT-JEE**) 2011 among approx. **0.5 million** aspirants.
- All India Rank **1805 (Top 0.2%)** in All India Engineering Entrance Exam (**AIEEE**) 2011 among approx. **1.3 million** aspirants.
- Ranked **92nd** in **ISAT** 2011, entrance exam conducted by **Indian Institute of Space and Technology (IIST)** among approximately **0.1 million** aspirants.

Extra Curriculars

- Conducted as **City Representative, Technothon in 2012**, an international school championship organized by the students of IIT Guwahati in city of Hyderabad.
- Completed the course conducted by **National Sports Organization (NSO)**