

EDUCATION	<p>Stanford University, CA <i>Jun 2010</i> Masters in Computer Science (Artificial Intelligence) <i>Courses: Information Retrieval, Data Mining, Data Visualization, AI, Machine Learning, NLP</i></p> <p>National Institute of Technology, Bhopal, India <i>May 2006</i> Bachelor of Technology in Computer Science & Engineering</p>
WORK EXPERIENCE 7+ years	<p>Facebook, Menlo Park, CA <i>Apr 2015 – now</i> Software Engineer</p> <p>TheFind.com (acquired by Facebook), Mountain View, CA <i>Jul 2010 – Feb 2015</i> Senior Software Engineer</p> <ul style="list-style-type: none"> • Search relevance and search ranking improvements – integrated new signals, result diversification, feature engineering, query/click log mining, category/subcategory selection • Personalization – based on visited/liked sites and demographics • Different relevance ranking – for different query and result types (like price compare page) • Revenue optimization – more \$ per session while maintaining good result relevance • Query parsing and analysis – designed servers with pluggable analyzer architecture • Product normalization/clustering – developed a large scale text clustering system; also operationalized it to run fully automatically • Data analytics and frequent pattern mining – on structured and unstructured data (pig/hadoop) • Glimpse.com (social shopping) – generated feed of trending products and catalogs personalized by demographics and facebook friends' likes • Helped mobile app team – backend for barcode scan and similar products; price match • Show disambiguation options – when system can not pick one single category • Query auto complete (suggest) – with spell correction <p>Mimir Project, Stanford University, CA <i>Apr 2010 – Jun 2010</i> <i>Research Assistant</i> – data management and author name disambiguation in citations</p> <p>Vista Lab, Stanford University, CA <i>Feb 2009 – Mar 2010</i> <i>Research Assistant</i> in the DARPA funded SyNAPSE project - implemented neural circuit models for vision; collaborated with researchers at IBM Almaden Research Center</p> <p>Computer Sciences Corporation, Indore, India <i>Jul 2006 – Jul 2008</i> <i>Software Engineer</i> (Exceed R&D) - Nominated for <i>Technical Excellence Award</i> (India) 2007</p>
PROJECTS & PUBLICATIONS	<p>Android apps – <i>Over 1.7 million downloads!</i></p> <p>Other – <i>Twitter bot, Facebook bot, Static site generator</i></p> <p>ComiMix.com - discover random new webcomics <i>Summer 2009</i> <i>Aggregate RSS feeds, cleanup and display using PHP</i></p> <p>Stem Cell Tracking in Time Lapse Microscopy sequences <i>Winter 2009</i> <i>Automatic analysis of stem cell images using stabilization, segmentation and tracking algorithms</i></p> <p>Shiniphy - Visual Data Mining of movie recommendations <i>Winter 2009</i> <i>Interactive visualization (with feedback) for movie recommendations using collaborative filtering</i></p> <p>Object Recognition using Template matching <i>Fall 2008</i> <i>3D models, template matching and machine learning algorithms to detect cars in a scene</i></p> <p>A VLSI Architecture for Image Registration in Real Time <i>IEEE TVLSI 2007</i></p>
TECHNICAL SKILLS	<p><i>Languages: Java, C++, Python, Pig, SQL</i></p>