

EDUCATION

- **Indian Institute of Technology Kharagpur** Kharagpur, India
Bachelor of Engineering in Computer Science July. 2009 – July. 2013

EXPERIENCE

- **Epic Systems** Madison, WI
Software Engineer Oct 2016 - Present
 - **Web Migration:** Migrated various admin work-flows from existing VB project using in-house web framework.
 - **Social Care Financials:** Played crucial role in building framework to support health care in finland for Apotti.
- **Livastar** Hyderabad, India
Lead Software Engineer May 2015 - August 2016
 - **Scaling:** Owned scalability project to scale the system leveraging aws products and made several infrastructure changes resulting in decreasing the pageload time under two seconds.
 - **Notifications:** Service for sending email, push and in-app notifications. Implemented features such as order notifications, delivery tracking. Built an internal web app to run batch campaigns for marketing etc.
 - **Nucleus:** Built an internal dashboards to get overviews of revenue, delivery costs. Developed a plug-and-play system for integration delivery network in to fulfillment work flow.
 - **Comet:** Insight dashboards for marketing team to track cost per consumer, advertising costs, advertising efficiency. Developed an internal survey platform which allowed to create various tasks for embedding surveys across the platform and in emails.
 - **Recommendations:** Core service for all recommendation systems at Livastar, currently used on the homepage and throughout the content discovery process.
 - **Mobile API:** Built a core service for complete e-commerce api including recommendations which is used for mobile app development. Features include delivery time optimization, order tracking, product availability notifications.
- **GridAnts** Bangalore, India
Full Stack Developer Dec 2014 - February 2015
 - **Mac App:** Developed Mac application by building a wrapper around product based on the Django.
 - **Pivot:** Involved in various brain storming sessions & product development during pivot.
- **Digital Quotient, Hindustan Times Media** Gurgaon, India
Data Scientist May 2014 - Dec 2014
 - **Uninstall Source:** Developed mobile analytics similar to Google Analytics. Patented tech for developing uninstall source for an app in addition to implementing the install source pattern developed by Hasoffers(currently Tune).
 - **Schema Redesign:** Redesigned the storage schema in **HDFS**, to provide flexibility in analyzing user events. Improved system performance by parameter tuning Hadoop system solving issues like huge-small file problem along the way.
 - **Data Collection:** Implemented stable robust back end based on Lambda architecture leveraging Thrift, Kafka for data serialization and processing.
 - **Query Performance:** Improved the execution speed of **Jcascalog** queries by four fold from redesigned layered queries, removing the redundant computations.

PROJECTS & ACHIEVEMENTS

- **Samsung Internship:** Worked on open source hand writing recognition software, Cellwriter to automatically train initial data required to recognize generic hand written text. Got an appreciation from manager and a pre-placement offer for the work.
- **Material Management System:** Worked on a product that solves the material & inventory management in huge factories with scalability in mind during the break in 2013-2014.
- **Recommendation System:** Built product recommender systems using collaborative filtering on public datasets as side project during Livastar which later integrated in to Nucleus.
- **Merits:** Among the 99.99 percentile in IIT-JEE 2009 with 509 All India Rank out of 0.4 million.
- **Developer Setup:** Contributed to github projects for developer setup such as dotfiles, zshmarks.