

Pramodh Mazumdar

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SUMMARY

Computer Science grad at ASU with previous experience of two years in Full stack web development. Interested in web, full stack development, data mining and visualization. Currently looking for software engineer roles for Summer 18.

EDUCATION

Masters, Computer Science Arizona State University 3.67 CGPA May 2018

Relevant courses: Data Visualization, Data Mining, Distributed Database systems, Adaptive Web, Human Computer Interaction, Mobile Computing, Artificial Intelligence, Software Security, Foundations of Algorithms

B. Tech, Computer Science VIT University, Vellore 3.13 CGPA May 2014

SKILLS

Programming Languages	Java, Ruby, Python
Web Development	Ruby on Rails, JavaScript, React JS, Angular JS, Meteor JS, Rspec, HTML5, CSS3, SCSS, JQuery
Environments and Tools	Ubuntu Linux, Git, Heroku, AWS, Android, Matlab, Spark, Hadoop
Databases	MySQL, MongoDB, Postgres, Redis, Neo4j
Others	REST API patterns, MVC Architecture, Microsoft Bot Framework

PROJECTS & EXPERIENCE

ASU Aug 2016 – May 2018

- **Mobile Computing:** Built android app to benchmark different Machine Learning algorithms like Support Vector Machines, K Nearest Neighbors, Naïve Bayes Classifier using Weka. Built android app to monitor real time data using sensors.
- **Data Mining:** Implemented various classification and clustering algorithms like k means, k nearest neighbors, SVMs, feed forward neural networks on real datasets using MATLAB.
- **Adaptive Web:** Built web app with personalized stats/analysis from user behavior tracked by chrome extension. Built a react based quiz app which personalizes questions based on collaborative user usage.
- **HCI:** Redesigned wish.com to be more user centric with better navigation and accessible to different user personas.
- **Distributed Database Systems:** Estimated top 50 hotspots for taxi pickups in NY from a dataset of taxi pickups in Jan'15 using Spark. Implemented range, round robin partitions, range queries, parallel sorting and joining on a Postgres database.

Looksmash (Tech Advisor, Lead Developer) Apr 2015 – June 2016

- My duties involved advising on and leveraging technologies for the backend and frontend, building the backend, deployments and managing the project.

Codebrahma Technologies (Software Development Engineer) Dec 2013 - Mar 2016

- My duties involved project management, meeting and gathering requirements from clients, *designing and developing* web apps and their APIs, testing, deploying and maintenance.
- Developed a 'job and user recommendation engine' for a job portal and its sister site (an applicant tracking system) using k means clustering to identify similar groups.
- Built the core backend functionality of the job portal and ATS with payment system (Stripe) along with frontend, TDD (unit testing using Rspec). Used Ruby on Rails, Postgres, Neo4j, Redis and AngularJS. Built internal search with Solr.
- Built a slack clone on top of an open source real time chat application (rocket chat) to accommodate for teams, integrations (bots) for Github, Twitter, Stripe (via webhooks) on MeteorJS and MongoDB.
- Developed a product discovery platform with a tag-based search functionality and product price retrieval using Phantom JS, Isotope JS, Meteor JS and MongoDB.

State Bank of India (Software Engineer Intern) June 2013

- As part of my *Internship* I learnt Web security, re-designed and developed a secure intranet site used by hundreds for a cross browser experience and achieved a faster and optimized site.

Other Projects

- Participated in HackAZ 2017 and built [Securemyworld app](#) and [bot](#) using Microsoft cognitive services and bot framework.
- Participated in AZ Hack Day and [experimented](#) with AR js, A Frame and Three js for the web.
- Designed and developed VIT University tech fest site [graVITas](#) 2013 for the year 2013.
- Developed various PHP projects in undergrad like a [Supermarket Management System](#), [Project Management Portal](#) for CSE dept. in college, a [Hostel Room Allocation System](#), more on [Github](#)