

Pramodh Mazumdar

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EDUCATION

Arizona State University

Fall 2018

- *Master of Computer Science (3.71 CGPA)*
- Courses: Mobile Computing, Artificial Intelligence, Adaptive Web, Human Computer Interaction, Distributed Database systems, Data Mining, Software Security, Foundations of Algorithms

VIT University, Vellore

Fall 2014

- *Bachelor of Technology, Computer Science (3.13 CGPA)*

SKILLS

Programming Languages

Java, Ruby, Python

Web Development

Ruby on Rails, JavaScript, ReactJS (basics), AngularJS, 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, Bot Framework

PROJECTS & EXPERIENCE

ASU (Masters)

Aug 2016 –
Dec 2017

- **Mobile Computing:** Building Android apps to monitor real time data using sensors and to benchmark different Machine Learning algorithms like Support Vector Machines, K Nearest Neighbors, Decision Trees.
- **Artificial Intelligence:** Building AI agents to make Pacman win in various adversarial and non-adversarial scenarios.
- **HCI, Adaptive Web:** Building adaptive and accessible sites for usability and personalization for users.
- **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.
- **Data Mining:** Implemented various classification and clustering algorithms like k means, k nearest neighbors, SVMs, feed forward neural networks on real datasets using MATLAB.
- **Software Security:** Participated in capture the flag competition in UNIX and web security.

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 PhantomJS, IsotopeJS, 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

Jan 2012 - Dec
2013

- 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, AFrame and Threejs 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](#)