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RESUME

Jonathan Bhaskar

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Skills

- Preferred Programming Languages: Python, Javascript
- Big Data technologies: Machine Learning, Data Processing and Analysis, Visualization (Hadoop, MATLAB, NumPy, Pandas, scikit-learn, D3.js)
- Web technologies: Django, Ember, HTML, Sass
- Others: DVCS (Git, Mercurial), Relational databases, Cloud Computing with AWS

Work Experience

Teaching Assistant

Aug 2014 – present

Simon Fraser University, Burnaby, Canada

Teaching Assistant for undergraduate courses in Computing Science.

- Fall 2014 – Web-based Info Systems: Responsible for assignment rubric, assignment and project grading, and office hours for 70 students.
- Spring 2015 – Cloud Computing: Responsible for assignment and exercise preparation, assignment and project grading, and office hours for 63 students.

Software Engineer

Jul 2013 – Jul 2014

Tenmiles Technologies, Chennai, India

Full stack Web Developer for a popular helpdesk(customer support) web product.

- Designed the user experience and developed the front end for a complete product redesign.
- Analyzed, designed and implemented(both back and front end) various crucial features based on customer requirements, resulting in customer acquisition.
- Involved in the overall product roadmap and design decisions.

Web Developer

Nov 2013 – May 2014

Organizor.org (Freelancer), Remote

Front end Developer for a CRM web product.

- Designed and developed the entire front end.
- Received many commendations by customers for design and usability.

Programmer Analyst

Nov 2010 – May 2012

Cognizant Technology Solutions, Chennai, India

Backend Web Developer for a top UK energy provider.

- Developed and maintained online “customer journeys” for newly implemented pricing plans.
- Managed back-end changes for a significant application redesign.
- Responsible for technical training of new recruits.
- Won a domain-level award for technical excellence.

Graduate Course Activities

- Machine Learning: Project – Predicting cancerous mutations using Active Learning
- Data Mining: Project – Finding similarities in a large dataset using Hadoop and MapReduce
- Programming for Big Data: Exercises in MapReduce, HBase, Cassandra, Distributed computing and data analytics
- Cloud Computing (TA): AWS Devops – designing, building, analyzing, securing and tuning cloud architectures

Education

M.Sc. In Computing Science

Sep 2014 – present

Simon Fraser University, Burnaby, Canada

- 3.56 GPA
- Coursework: Design and Analysis of Algorithms, Machine Learning, Data Mining, Distributed Systems for Big Data, Programming for Big Data

B.Tech. in Information Technology (Engineering)

Aug 2006 – May 2010

Anna University, Chennai, India

- 69% (Equal to A-)
- Coursework: Discrete mathematics, Algorithms, Data structures, Database management systems, Operating systems, User interface design, Networking, Software Engineering, Object-oriented programming, Computer Architecture, Calculus

Other Activities

- Designed and performed SEO optimization for the websites of two NGOs.
- Coordinated two state level collegiate technical symposiums.
- Taught Mathematics and English to underprivileged primary school students on weekends as part of a corporate outreach program for 3 months.