prabhuakshai92@gmail.com
(585) 530-0945

AKSHAI PRABHU

www.linkedin.com/in/akshaiprabhu
https://github.com/akshaiprabhu

PROFESSIONAL EXPERIENCE

Software Developer Intern (Cloud Services) **Vnomics Inc. (Pittsford, NY)** **Jan 2017 – Aug 2017**

- Developed APIs to support telematics device, installed in commercial vehicles, providing cloud based services
- Implemented REST web services using Java, PostgreSQL database in Docker containers to launch and host web services
- Implemented web portal using C# .NET that generates calls to the REST web service end points
- Worked on Amazon Web Services (AWS): EC2 instances, S3 storage, AWS IAM, Cloudwatch logging, Cloud formation

Teaching Assistant/Grader **Rochester Institute of Technology** **Aug 2016- Dec 2016**

- Tutor and Grader for Foundation of Cryptography, a graduate level course

Software Developer Intern **Aurionpro (Woodbridge, NJ)** **Jun 2015- Aug 2015**

- Worked on Identity Management products, mainly, Oracle Identity Management and Sailpoint
- Implemented SOAP and RESTful web services in Java to runs on Tomcat Server
- Developed dynamic web application using Struts and EJBs (Enterprise JavaBeans) to runs on Oracle WebLogic Server

JOURNAL PUBLICATION

- Christopher Michael Homan, Jon I. Schull, and Akshai Prabhu. 2017. On the Genesis of an Assistive Technology Crowdsourcing Community. In Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '17). ACM, New York, NY, USA, 1003-1011. DOI: https://doi.org/10.1145/3027063.3053356

LANGUAGES AND TECHNOLOGIES

- Java; C#; C++; Python; C; Amazon Web Services (AWS), PostgreSQL; MongoDB; MATLAB; MySQL; Oracle WebLogic; WEKA; Apache Tomcat; Docker; Maven; Android App Development
- HTML; XML; CSS; JavaScript; PHP; AJAX; jQuery;

EDUCATION

Rochester, NY (expected) **Rochester Institute of Technology** **Aug 2014 – Dec 2017**

- M.S. in Computer Science (Major) and Advanced Certificate in Big Data Analytics
- Courses: Distributed Systems, Big Data Analytics, Algorithms, Computer Networks, Parallel Computing, Data Security and Privacy, Cryptography

Mumbai, India **University of Mumbai** **Aug 2010 – Jun 2014**

- B.E. in Computer Engineering (Major)
- Courses: Data Structure and Algorithms, Database Management Systems, Operating Systems, Computer Architecture, System security, , Computer Science Theory, Ecommerce Technologies, Artificial Intelligence

ACADEMIC PROJECTS

- **Independent study - Data driven analysis of e-NABLE -** Application to scrape data from the Google+ community page and generate directed graphs for analysis, uses Python libraries: selenium, networkx, panda, Google APIs and MongoDB
- **Secure E-commerce website** - MVC design based web application using Oracle 11g database, Apache Tomcat Server to simulate Role Based Access Control (RBAC), SQL injection protection and Auditing
- **Frequency allocation using Multi - core processors -** Scalable application using Parallel Java libraries and Graph coloring NP-complete problem
- **Classification of image data** - Classification of dogs and cats image data using Laplacian filters, Principal Component Analysis and Fisher Linear Discriminant in MATLAB

PERSONAL PROJECTS

- **Distributed Content Delivery Network in Cloud Computing** - Location based file exchange application, uses Amazon Web Services (AWS) S3 and EC2 and Java Socket Programming
- **Implementation of Network protocols -** Implementation of Transmission Control Protocol (TCP), User Datagram Protocol (UDP) and Routing Information Protocol (RIP) using Java Socket Programming
- **Network based android game application -** Two player game with chat and play features using custom application protocols and AsyncTask
- **Android application for auto-profile transition and reminders system based on GPS -** Changes profile settings and gives reminders using GPS location

ADDITIONAL EXPERIENCE AND AWARDS

- Microsoft Student Partner, India
- Won National Level Badminton Championships in India and inter-university championships in the US
- Certification on Ethical Hacking