

SHIVAM SINGH

Stony Brook, NY - shivam.singh.1@stonybrook.edu - (631) 428-2613
www.linkedin.com/in/singhshivam172

A graduate student with 6 years of industrial experience and top 1% answerer for Ruby on StackOverflow.

EDUCATION

STONY BROOK UNIVERSITY, NY

Dec 2020 (Expected)

Masters, Computer Science (GPA: 3.55/4.00)

Selected Coursework: Distributed Systems, Network Security, Computer Networks, Data Visualization, Machine Learning

Graduate Teaching Assistant: Mentored undergraduate students on 'Introduction to Computational and Algorithmic Thinking'

KIIT UNIVERSITY, Bhubaneswar, Odisha, India

May 2013

Bachelor of Technology in Computer Science & Engineering

- Cumulative GPA: 7.85/10.0
- Founder & President: Web and IT Society; Organizing Committee Member: Indian Science Congress, Literary Society

EXPERIENCE

AMAZON.COM, INC, Virtual location, US

Jun - Aug 2020

Software Development Engineer Intern

- Wrote native iOS framework to extend support of a proprietary protocol used by all Amazon devices to communicate with the Amazon Cloud.
- Created a test application to showcase the framework by extending the functionality of the protocol in iOS devices.

BLOGVAULT INC, Bangalore, India

2013 - 2019

BlogVault is a 20 member startup dedicated to making website backups and security easy, and efficient.

Senior Software Engineer

- Developed industry-leading automated tool to migrate websites from one server to another. Partnered with 20+ premium hosting companies to migrate ~300K websites
- Built product dashboard in ReactJS which provided holistic view of website backups and security, increased average user session duration by 60%
- Built subscription platform in Ruby on Rails that supports custom pricing, customizable billing frequencies and dunning on multiple payment systems like credit card, paypal and wire transfers, reducing churn rate by 40%
- Implemented an affiliate management system that offered precise conversion tracking, generating cumulative revenue of \$100K

Initiatives & Achievements

- As the first hire, championed growth of company resulting 20X overall growth
- Led initiatives to forge two new partnerships for BlogVault, boosted revenue by 80%

MOBIQUEST MOBILE TECHNOLOGIES, Noida, UP, India

Summer 2012

Summer Intern

- Developed cross-platform mobile application using PhoneGap; optimized screen rendering for 10+ mobile devices

OPEN SOURCE PROJECTS (github.com/singhshivam)

- GAEVENTS: a Ruby gem to send multiple user interaction events to Google Analytics; 2000+ downloads
- RUBY-CURL: a true libcurl binding for Ruby; 900+ downloads
- REACT EXTERNAL IMAGE: a React Component to load external images. Allows fallback image URLs as option
- Immutable Js Examples: a GitHub gist containing easy to understand examples of immutable js; 100+ stars

RESEARCH PROJECTS

- **IoT Event Classification Based on Network Traffic:** showed that an external observer that sniffs the network traffic of a TP-Link smart plug can further classify device events and hence infer user actions by employing machine learning classifiers.

ADDITIONAL

- **Technical skills:** Ruby/Rails, Javascript, GIT, HTML/CSS, MYSQL, React, Redux, Python, C/C++
- **Volunteering:** WordCamps at Philadelphia, New York City, Mumbai and Nashik; WordPress translation; WordPress training group; Speaker at WordCamp Nashik 2016; delivered talk on "State of WordPress Security - today & beyond"
- **Interests:** Avid motorcycle rider, completed 16 days adventurous tour of Himalayas covering 1600+ miles; Admirer of rock 'n' roll, crafted Spotify playlist 'Best of Acoustic Rock' having more than 3000 followers