

# Ravi Malik

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## EDUCATION

### University at Buffalo, State University of New York

Buffalo, NY

*Master of Science, Computer Science Engineering*

Expected May 2019

- Coursework:  
Algorithms for Advanced Computing Systems | Operating Systems | Computer Security

### Punjab Technical University, India

*Bachelor of Technology in Computer Science Engineering, Aggregate: 74.5%*

2014

- 4 time winner of best project in semester.
- 3 time winner of university level coding competition.

## SKILLS

Web Development

PHP, Python

Laravel Web Framework

MySQL

Javascript, jQuery, bootstrap

REST API Development

CRON Jobs

Redis in memory caching

Bash Scripting

## EXPERIENCE

### Self-employed, Freelance, Punjab, India

*Software Engineer – LAMP Stack*

Jan 2016 – Mar 2017

- Implemented backend for a pollution monitoring system, deployed in 6 locations in India.
- Built back-end for a social network, Glxy.eu, deployed in 7 regions in Europe. Reduced server load by 33%.
- Implemented a real-estate rental application for a small business. Helped increase customer base by 28%.

### Smartsbee Ltd, Punjab, India

*Software Engineer – LAMP Stack*

Feb 2015 – Dec 2015

- Enhanced functionality of an E-Commerce project and increased performance by 44%
- Built an employee management system, resulting in a better workflow of 83% employees.

### Newgen Software technologies, Noida, India

*Software Engineer*

July 2014 – Feb 2015

- Created front-end for an image processing utility using Flex Framework.
- Created a mobile interface for the company's ERP module, resulting in high accessibility of company's resources.

## ACADEMIC PROJECTS

- Pintos: Scheduler, Virtual Memory and File System implementations for OS for x86 machines. UB
- Document Management System: Create, Upload, Edit and share files on a web interface. PTU, India
- PY2CPP: Python to C++ source code transpiler. PTU, India
- Secure File Transfer: File transfer desktop application using RSA key exchange, AES symmetric encryption and socket programming. PTU, India

## LEADERSHIP AND VOLUNTEERING

- Organized and taught at a 6 day workshop on Python Programming Language during undergrad studies.
- Organized and taught at a 1 day workshop on Introduction to Linux during undergraduate studies.