

Ankit Pati

Associate Software Engineer

Security Technology And Response (STAR)
Symantec Software India Pvt. Ltd.



A Linux coder, technical writer,
and English & हिंदी fiction author.

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github.com/ankitpati

Education

Bachelor of Technology in Information Technology

Symbiosis Institute of Technology, Pune

August 2014 – May 2018

CGPA: 3.664/4.000

Higher Secondary School (CBSE)

Delhi Public School, Ruby Park, Kolkata

April 2012 – April 2014

Aggregate: 81.6%

Senior Secondary School (CBSE)

Delhi Public School, Ruby Park, Kolkata

April 2009 – April 2012

CGPA: 10.0/10.0

Personal Projects

2010 – Present

Useful Mini-Projects

- Robust String Handling Library (C++) github.com/ankitpati/strlib
- Infinite String Input (C) gitlab.com/snippets/8600
- OnBoard (JS, HTML, CSS) ankitpati.in/onboard
- CompactCalc (Java) github.com/ankitpati/compactcalc
- Entropy-Preserving Password Generator (C) github.com/ankitpati/rpg
- Scripts for Everyday Use (Perl, Bash, C) github.com/ankitpati/scripts
- String Suggest (C) github.com/ankitpati/strsug
- Raw Strings (C) github.com/ankitpati/rstrings
- Bullet-Proof Console Input Fields (C) github.com/ankitpati/ifields

Contributions to Open Source Projects

- Geany Text Editor github.com/geany/geany/pull/1323
- HTTPS Everywhere github.com/EFForg/https-everywhere/pull/7743
- OpenShot github.com/OpenShot/openshot-qt/issues/576
- Materialize CSS github.com/Dogfalo/materialize/pull/4047
- Net::DNS::Native github.com/olegwtf/p5-Net-DNS-Native/pull/8
- Homebrew github.com/Homebrew/homebrew-cask/pull/61831
- StevenBlack Hosts github.com/StevenBlack/hosts/pulls?q=author:ankitpati
- HTLM::Packer github.com/leejo/html-packer-perl/pull/16

Professional Work

January 2017 – Present

Testing Perl Codebase

- Six-Months Internship at Symantec
- Wrote scripts to automate daily testing tasks
- Increased code coverage
- Identified bugs, and submitted patches upstream

Database Migration

- Two-Months Internship + Continued Work at Symantec
- Wrote scripts to automate SQL code generation
- Generated 9000+ lines of trigger code for continuous replication pre-migration
- Wrote script to detect differences in schemata between Oracle and MySQL DBs
- Identified and generated further SQL to ameliorate said differences post-migration

Post-Migration Support

- Engineering support to operations to understand new architecture
- Rewrote monitoring scripts to support new environment
- Setup development VMs for unit testing, functional testing
- Setup non-invasive Nagios monitoring system for end-user product boxes

Teaching at Symbiosis

- Conducted Python and C coding lectures
- Serving as Department Mentor for Cybersecurity
- Taught Penetration Testing and Secure Coding
- Served as Industry Expert from Symantec at Symbiosis
- Interacted with Students, Identified Talented Students

Skills

Scripting

Computer Networking

Database Administration

Virtualisation

Version Control

Web Development

Technical Writing and Documentation

Achievements

Multiple WOW Awards from Symantec

Exceptional Impact on Customers, Going Above & Beyond

Qualified GATE 2018

All-India Rank of 6977

National Cyber Olympiad

All-India Rank of 5

National Science Olympiad

Multiple single-digit ranks, lowest being 2

Human Languages

English, Hindi

Proficient

Bengali, Oriya

Spoken

Programming Languages

C, Perl, Bash, SQL

Expert

C++, Python, Java, PHP

Upper-intermediate

HTML, JS, CSS

Intermediate

Go, Tcl, Swift, VHDL

Beginner

Operating Systems

Debian derivatives | RedHat derivatives | macOS |
POSIX-compliant Unix | Windows | Android