

BIKRAMJEET GHURA

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PROFILE

IT undergraduate skilled in Software Development, System Administration, Information Networking & Information Security.

EDUCATION

- **Bachelor of Science in Information Technology**
University of Washington **Sep 2014 - Aug 2018**
Achievement(s): Annual Dean's List (2016-2017, 2017-2018)
Cumulative GPA: 3.44, Major GPA: 3.83
- **Jamnabai Narsee School, International Baccalaureate® (IB) Diploma Programme (DP), Mumbai, India** **2012 – 2014**

PROJECTS

Systems Analysis & Design (Agile, Scrum)

- **SoftCare Information System** - Patient Data Management System. Tools: Java, NetBeans, UML.

Information Assurance & Security

- **Penetration Testing (Kali Linux):** Vulnerability Scanning | Password Cracking | Metasploit | Packet Sniffing/Analyzing
- **Risk Assessment | Rotator Creative:** Worked on a team to perform vulnerability assessment for a design studio.
- **Linux Security:** Vulnerability Assessment & System Hardening for a CentOS System.
- **Intrusion Detection & Prevention:** Implemented an intrusion alerting (real-time) & prevention system. Technologies: Ubuntu, Snort IDS, Syslog-ng, Swatch Watcher, Postfix & VirtualBox.
- **Windows Security:** pfSense VPN/Firewall (Server/Client) | Incident Investigation & Response | ACLs

System Administration Labs

- **Windows Server:** File Sharing & Permissions | Active Directory OUs & Group Policy
- **Red Hat, Fedora, CentOS Linux:** Bugzilla | Apache

Software Development

- **C# and/or .NET MVC (Object- Oriented):** Student Database | Movie Library
- **Java (Object-Oriented):** Huffman Coding | Evil Hangman | HTML Manager
- **C – System Programming:** IP Encoding-Decoding | Pixel Manipulation | Napier's Letters | Stock-Client Database
- **Python – Data Programming:** Conducted statistical analysis on Guardian's 'The Counted' dataset.
- **Android (Java):** Weather App

Relational Database Design & Development in SQL

- Database for a doctor's clinic. Implemented Stored Procedures, Triggers, Functions, Views, Indexes & Backups.

Web Development

- **Firefighter Fitness Information Technology (FFIT) | West Thurston Regional Fire Authority, Washington**
Developed a fitness tracking application with Caspio Database and integrated it within the organization's Joomla website.
- **Sales Portal | Bakshi Ghura & Co., Mumbai, India:** Technologies - HTML5, Bootstrap CSS, JavaScript, JQuery, PHP, MySQL, Apache.

Cisco Information Networking Labs – Networking Foundations | Routing & Switching Essentials

- Cisco IOS | WAN Networking | Static & Dynamic Routing | VLAN | ACLs | Device Maintenance | NAT | DHCP

User Interface / Experience (UI/UX) Design

- **Topia Technology, Washington | Team Lead:** Design consulting for the company's Secrata software.
- **University of Washington Dining | Team Lead:** A high fidelity prototype for a food ordering mobile application.

RELATED EXPERIENCE

- **Programming Intern | Blockterms, Seattle, Washington** **Since June 2018**
Building a platform that will allow consumers to learn more about a product and make a purchase that will be immediately split among the contributors in the supply chain. Technologies – HTML5, Bulma CSS, JavaScript, Vue.js, ES6, ESLint, Webpack, PHP Laravel, REST APIs, Google Cloud Storage & Datastore, Docker, Vagrant, Git, Postman, Slack.
- **Cybersecurity Research Assistant | University of Washington | T-Mobile** **Aug 2017 – June 2018**
Involved in building a system to mitigate DoS attacks. Led team meetings and presented at UW's symposiums. Technologies: Honeypots, Intrusion Detection/Prevention Systems, Firewalls, Packet Sniffers, Raspberry Pi devices, Ubuntu, Network sniffers, Python, Bash.
- **IT Intern | Spocto, Mumbai, India** **Jul 2016 – Sep 2016**
Involved in building the Spocto 360 Dashboard. Configured a database using MS Access.
- **IT Intern | Karvy Financial Services Ltd (KFSL), Mumbai, India** **Jul 2015 – Sep 2015**
Involved in designing, testing and securing a Karvy's Customer Relations Management System (CRM).

INTERESTS & ACTIVITIES

- **Community Service:** Rotaract, Mumbai, India (2012 - 2014).
- **UW Clubs:** Grey Hat Computer Security, HUSCII Coding, Squash Team, Washington State Open Squash Tournament 2014.
- **Hackathons:** DubHacks 2014, Zillow Hack Housing 2015, CodeDay 2015, NWHacks 2017