BIKRAMJEET GHURA

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PROFILE

IT student with experience in Information Security, Software Engineering, Database Management & Information Networking.

EDUCATION

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

PROJECTS

Systems Analysis & Design (Agile)

- **SoftCare Information System -** A Patient Data Management System, developed with Java (OOP).

Information Assurance & Security

- **Penetration Testing Labs:** Vulnerability Scanning | Password Cracking | Metasploit Exploit | Packet Sniffing/Analyzing
- **Risk Assessment:** Worked on a 6-person team to perform vulnerability assessment, risk analysis & mitigation for Rotator Creative.
- **Linux:** Worked on a team to identify vulnerabilities & perform system hardening on a CentOS image.
- **Intrusion Detection & Prevention:** Worked on a team to implement an Intrusion Prevention & real-time alerts mechanism. Technologies included Ubuntu Linux, Snort IDS, Syslog-ng, Swatch Watcher, Postfix & VirtualBox.
- **Windows:** PFSense VPN/Firewall (Server/Client) | Incident Investigation & Response | ACLs

System Administration Labs

- **Windows Server 2012:** File Sharing & Permissions | Active Directory OUs & Group Policy
- **Linux (RHEL/Fedora/CentOS):** Bugzilla | Apache

Programming/Software Development

- **C# and/or .NET (Object- Oriented Programming)** – Student Database | Movie Library
- **Java (Object-Oriented Programming)** - Huffman Coding | Evil Hangman | HTML Manager | 20 Questions Guessing Game.
- **System Programming (C & Linux)** – IP Encoding/Decoding | Pixel Manipulation | Napier's Letters | Stock-Client Database
- **Python – Data Programming**: Conducting statistical analysis on Guardian's 'The Counted' dataset.

Relational Database & SQL

- **Database Design** – Entity Relationship Model for a Fitness Tracking App with a focus on data normalization.
- **Database Development** – Database for a Clinic. Implemented Stored Procedures, Triggers, Functions, Views, Indexes & Backups.

Web Development

- **Firefighter Fitness Information Technology (FFIT), West Thurston Regional Fire Authority, Washington, United States**
  Developed a fitness tracking module with Caspio and integrated it within the organization's Joomla website.
- **To-Do List | Fifteen Puzzle | Weather:** Involved HTML, CSS, JavaScript, PHP and/or SQL.
- **Bakshi Ghura & Company, Mumbai, India**
  o   Worked on a 3-member team to develop an Order Portal using HTML, CSS, Bootstrap, JavaScript, JQuery, PHP & MySQL.

Information Networking Cisco Labs - Introduction to Networks | Routing & Switching Essentials

- WAN Network Configuration | Static & Dynamic Routing | VLAN Implementation | ACLs | Device Maintenance | NAT | DHCP

User Interface (UI) / Experience (UX) Design & Software / Product Prototyping

- **Topia Technology, Secrata, Washington, United States**: Software UI/UX Design Consulting and Prototyping.
- **University of Washington Dining App** – A high fidelity prototype for an Android/iOS food ordering application.

RELATED EXPERIENCE

- **Programming Intern | Blockterms, Seattle, Washington**   **Since June 2018**
  Developing software for multi-party financial agreements. Technologies – HTML, Bulma CSS, Vue.js, PHP Laravel, Google Cloud.
- **Cybersecurity Research Assistant | University of Washington | T-Mobile**   **Aug 2017 – June 2018**
  Involved in configuring security systems such as Honeypots, Intrusion Detection/Prevention Systems & firewalls, developing python scripts to aid in formulating DoS mitigation strategies. Led team meetings and presented at UW's symposiums.
- **IT Intern | Spocto, Mumbai, India**   **Jul 2016 – Sep 2016**
  Involved in coding the Spocto 360 Dashboard. Configured a relational database for data management 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 in-house Customer Relations Management System.

INTERESTS & ACTIVITIES

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