

Nabdeep Shrestha

U.S Citizen | Chantilly, VA | 562-537-1665 | nabdeep@vt.edu | www.nabdeep.com

Objective

Hard-working and analytical Computer Science major currently attending Virginia Tech skilled in full-stack web development and research. Seeking to provide innovative solutions and fulfill client needs as a Jr. Software Engineer at your company.

Education

BACHELOR OF SCIENCE | AUG 2017 - MAY 2020 | VIRGINIA TECH, BLACKSBURG, VA

- Major: Computer Science
- GPA: 3.32
- Honors: Spring 2018 Dean's List

Experience

CYBER DEFENSE ANALYTICS INTERN | NOBLIS, INC. | RESTON, VA | JUNE 2019 – AUGUST 2019

- Developed and deployed a web application from scratch that mapped out internet communities based on Common Crawl data into Noblis servers using Docker
- Collaborated with colleagues and managers using an Agile workflow through JIRA and Confluence
- Designed the application UI using D3.js and JQuery while assisting colleagues with Python Flask and PostgreSQL back-end
- Trained and integrated a machine learning neural network that detects suspicious URLs into our application
- Presented our project as a team to Noblis's executive board detailing how our project integrated various Noblis intelligence projects and will enhance their cyber analytics mission areas

SOFTWARE ASSISTANCE TRIAGE TECHNICIAN | VIRGINIA TECH | BLACKSBURG, VA | AUGUST 2018 - PRESENT

- Provide troubleshooting and consulting for students and labs within the VT College of Engineering with software installation, operating system installation, driver issues, virus removal, network issues, and hardware diagnostics.

SOFTWARE DEVELOPMENT INTERN | LONG & FOSTER | CHANTILLY, VA | JUNE 2018 – AUGUST 2018

- Developed a multi-threaded heat map generator using the Google Maps API and Java Spring Boot for Long & Foster's Property Management department through test driven practices
- Wrote and executed SQL Server queries to generate reports on various clients
- Presented and demoed the application to Long & Foster Property Management's Vice President

Projects

Undergraduate Research Assistant – Noise in Biological Gene Expression Simulator

- Developed a web application that simulated noise in biological gene expression using the Gillespie algorithm and Chart.js

Sentimentally, 2018 PatriotHacks “Best Use of Open Source Intelligence” Winner

- Developed a web application with my team of four which performed sentiment analysis on a list of tweets related to a user-entered subject
- Primary responsibility was to develop the user interface and deploy the application on Google Firebase

Personal Website

- Built with React.js Material UI framework, deployed on Google Firebase

Skills

- Languages: Java, Python, C, HTML, CSS, Javascript, SQL
- Technologies: Git, Jira, Confluence, Node.js, Express.js, React.js, JQuery, Flask, Spring Boot, Docker, MySQL, PostgreSQL, SQL Server, PyTest, JUnit, Firebase, Google Cloud Platform
- Environments: Windows, Ubuntu, CentOS

Extracurriculars

- Computer Science Student Ambassador (January 2018 – Present)
- Vice President, Web Development @ VT (September 2018 – Present)
- VTHacks Public Relations Committee (October 2018 – Present)
- GitHub Organization Coordinator (November 2018 – Present)