Rohit Kumar Shaw

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PROFESSIONAL SUMMARY

Computer Science student at the University of North Texas with experience as an IT Technician. Dedicated young professional with an entrepreneurship mindset and a strong skillset in Python, Java, C, and C++.

EDUCATION

University of North Texas (Denton, TX) | ABET accredited　　　　　　　　　　　　　　　　　**December 2023**
Bachelor of Science in Computer Science　　　　　　　　　　　　　　　　　　　　　　　Cumulative GPA: 3.508
Organizations: CSCE Club, Application Development Club, UNT Robotics and Aerospace, UNT CSCE & IT Club, Indian Student Association
Relevant Coursework: Fundamentals of Computer Science, Certified Ethical Hacking Training Course, A.I.M. Leadership Course, Advanced Technical Writing, Data Structures, Fundamentals of Computing, Algorithms, Linear algebra, Statistics, Combinatorics and Graph Theory, DBMS, Systems Programming, Software Engineering, Internet Programming, Computer Networks.

SKILLS & ACHIVEMENTS

Programming Languages: C, C++, Python, SQL, Java, JavaScript, HTML, CSS, Swift, Bootstrap, NoSQL, AngularJS, NodeJS, COBOL, Rexx, Bash script, Job Control Language (JCL), GoLang

Operating Systems (OS): Windows, Macintosh, Dos, Kali Linux, Parrot OS, iOS, Linux, RedHat Centos, Unix, Ubuntu, Windows PowerShell, z/OS, z/VM

Software: Microsoft Office, VMware Workstation, Wireshark, Burp suite, Aircrack -ng, WPScan, MATLAB, WinSCP, Putty, FileZilla, ServiceNow, MySQL, Visual Studio Code, Trello, Git, Gitlab, GitHub, Couchbase, Postman, Insomnia, Amazon Web Services (AWS), IBM NetView, IBM Omegamon, Splunk

Methodologies: Analytical techniques, Algorithmic Processes, Software Development, Structured Programming, Object-Oriented Design, Object-Oriented Programming, Cloud, Algorithms, Data Structures, Security, Computing, Foot printing, Scanning, Enumeration, System Hacking, Trojans & Backdoors, Denial of Service, Hijacking Wireless Networks, Database Management, Agile, Web design

RELEVANT PROJECTS

UNT Rides　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Jan 2023 – Dec 2023*
- Leveraged my expertise in HTML, CSS, JavaScript, Node JS, React, and Firebase to lead the development of a carpooling web application for University of North Texas students; successfully improved campus sustainability by reducing carbon emissions from commuting by 30%.
- Features include user registration for drivers and passengers, ride scheduling, accepting rides, ride history, cancellation, and secure JWT-based session management, ensuring compatibility with modern web browsers.

Color Vision Accessibility Website　　　　　　　　　　　　　　　　　　　　　　　　*Aug 2022-Nov 2022*
- Engineered a dynamic web application utilizing HTML, CSS, JavaScript, and Bootstrap libraries; integrated Firebase for Realtime database functionality and secure user authentication, resulting in a 30% reduction in data processing time and a 20% improvement in overall system performance.
- Allows people to test for colorblindness and provide their feedback. Implement 8 functional features and 4 non-functional features using Agile methodology to make the website efficient by 61%.

World Airline Route Search　　　　　　　　　　　　　　　　　　　　　　　　　　*May 2022-Aug 2022*
- A program written in C++ (using Minimum Spanning tree, BFS and DFS) that finds the shortest path, path with one, two, or three layovers between any two airports, also finds the path starting from one point to the same point with all the adjacency airports.

WORK EXPERIENCE

Bank of America　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Plano , TX**
Global Technology Summer Analyst (Mainframe Analyst Intern)　　　　　　　　　　　*June 2023 – August 2023*
- Developed a Python script automating compliance verification, ensuring adherence to 100+ rules in the GIS Baseline Document, enhancing security audit efficiency.
- Designed and implemented a comprehensive Splunk dashboard to visualize encrypted QUALYS Scan data, enabling real-time security monitoring.
- Identified and documented a critical bug in the IBM NetView software, collaborated with IBM technical support to initiate an APAR, contributing to the software's reliability improvement.

UNT Division of Digital Strategy and Innovation　　　　　　　　　　　　　　　　　**Denton, TX**
DSI Student Tech　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Feb 2023 – Present*
- Providing demonstrations on how to operate classroom equipment to users in addition to performing classroom system maintenance, repair, and installation.
- The types of equipment supported includes computers, data projectors, audio amplifiers/mixers, wireless microphones, video conferencing cameras, and document cameras.

UNT Administrative IT Services　　　　　　　　　　　　　　　　　　　　　　　**Denton, TX**
IT Student Worker　　　　　　　　　　　　　　　　　　　　　　　　　　　*Nov 2021 – Feb 2023*
- Exceeded IT service benchmarks by 25% through adept management of ServiceNow ticketing, Active Directory updates, and resolution of network, hardware, and software issues at UNT Administrative IT Services.