

Prachi Nayak

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EDUCATION

NEW YORK INSTITUTE OF TECHNOLOGY, Old Westbury, NY
Master of Science in Computer and Information Sciences

Sept 2017 – May 2019
GPA: 3.59/4

GUJARAT TECHNOLOGICAL UNIVERSITY, Ahmedabad, India
Bachelor of Engineering in Computer Engineering

July 2013 – May 2017
GPA: 7.04/10

TECHNICAL SKILLS

Languages	Python, C, C++, Java, PHP, C #
Framework	Hibernate, Struts, Spring, Spring MVC, Bootstrap
Server	Apache Tomcat 7, Glassfish
Web Technologies	HTML, CSS, XML, JavaScript, Angular JS
Tools & IDEs	Splunk, Eclipse, NetBeans, Visual Studio
Databases	MySQL, MongoDB, Microsoft SQL Server
Operating Systems	Windows and Linux
Course Work	Operating System Security, Database System, Information Security in Engineering and Administration, Computer Architecture, Programming Languages, Artificial Intelligence, Algorithm Concepts, Big Data Analytics, Theory of Computation and Computers and Software Engineering

RELEVANT EXPERIENCE

ThreatModeler Software Inc, Jersey City, NJ, USA *Security Data Analyst* May 2020 – Present

- Research on security controls information of all the compliances to map with Secure Control Frameworks (SCF).
- Working on mapping different security controls with compliance framework.

BIZZSECURE, Fremont, California, USA *Security Analyst* June 2019 – May 2020

- Worked on an Enterprise Assessment & InfoSec Design (EAID) solution for internal audit to help clients in automation of risk assessment workflow, give visibility of InfoSec and compliance risks and helping clients to prioritize their remediation efforts.
- Worked with the clients to help them do assessments by integrating compliance needs based on their security frameworks such as HIPAA, PCI-DSS, NIST, ISO, GDPR, CCPA, FedRAMP etc. and enable few policies and security controls in EAID solution to find vulnerabilities and mitigate their risks and prepare them for final audits.
- Provided clients instant and insightful risk reports.
- Assisted in evaluating and resolving findings in internal audits.
- Led the team responsible for delivering best contents in blogs, eBooks, ads, videos, and technical presentations.
- Penetration testing, Vulnerability Scanning, Ethical Hacking, SQL Injection, and knowledge of SIEM.
- Worked on Jot Forms using HTML, CSS, JavaScript to connect with our landing page.
- Conducted thorough testing of newly implemented features of the EAID solution.

NEW YORK INSTITUTE OF TECHNOLOGY, Old Westbury, NY January 2018 – May 2019
Graduate Assistant- Web Developer, Advising and Enrichment Center

- Worked on "Semester Mapping" project and developed the feature like NYIT student portal for the computer engineering department which helps students through the course registration process, resulting in a quicker and more expedited registration for both advisors and students using XAMPP stack.
- Experience with developing backend of the system using PHP, frontend in HTML, Bootstrap, CSS and JavaScript for client-side validation.
- Project application was hosted locally in Apache server and used MySQL database.
- The project application is implemented for advisors and students.

HEALTH SOLUTIONS PLUS (Melville, New York, USA) *Software Developer Intern* June 2018 – August 2018

- Worked as a Full Stack Developer to enhance .NET applications using C# and SQL database system.
- Worked on Frontend using C# that incorporated N-tier architecture and database connectivity.
- Developed and modified complex Transact-SQL code including Stored Procedures, Functions, Indexes, Scripts, Common Table Expressions and Conducted thorough testing of newly implemented features in the application.
- Conducted thorough testing of newly implemented features in the application.
- Gained experience in complete Software Development Life Cycle (SDLC).

I CREATE TECHNOLOGIES, Ahmedabad, India *Java Intern* June 2016 – May 2017

- Designed an application on web scrapping.
- The fundamental objective was to scrap the news from multiple platforms into single platforms into single source.
- Provided facilities like category wise searching of news according to individual interest.
- Designed the overall Extended ER Schema, Translated the ER schema to the relational object model, and scripted the different part of relational model which included steps like creating Tables, Views and Procedures using SQL server and optimized the database by using standard normalization technique.

ACADEMIC PROJECTS

DATABASE SYSTEM PROJECT

Graduate Course Project

- Created tables under MySQL server, for each table added both Key and Data restraints, and joined them by the relationship between tables.
- Input enough data and made them consistent with the original E-R design.
- Connected NetBeans with local MySQL server by JDBC driver and NetBeans database connector.
- Designed structure of user-friendly interface, completed programing, tested each of the functions for different user cases and documentation.

MACHINE LEARNING PROJECT

Graduate Course Project

- Used Naïve Bayes and Tree Augmented Naïve Bayes Classifiers to train and test the car evaluation data set based on the Bayes Classification rule using WEKA software.
- Reported per class classification accuracy & created separate training, testing data files and confusion matrix on the test instances.
- Presented an analysis on how the amount of training data impacts classification accuracy by comparing accuracies of NB and TAN when trained on the instances.

TIMETABLE MANAGEMENT PROJECT

Undergraduate Course Project

- Designed the software application which is built for Students and faculty's schedule and helps creating timetable without repeating the subject or schedule conflict with other classes.
- As per our research work done in various colleges and schools have problem to create timetable for different classes.
- Major objective is that this application can be used for various colleges and school for managing the timetable or to generate timetable.

ACADEMIC WORK EXPERIENCE

NEW YORK INSTITUTE OF TECHNOLOGY, Old Westbury, NY

Student Ambassador, Career Services

March 2018 – May 2018

- Greet visitors (in-person and over the phone) and connecting them with the appropriate resources.
- Check in students for career advising appointments and events.
- Help students troubleshoot career development software (Handshake).
- Support administrative functions in the office.

Graduate Assistant-Help Desk Specialist, School of Engineering and Computing Sciences Lab

February 2018 – May 2018

- Performed computer troubleshooting, including course specific software and printer maintenance; maintain a clean quiet work area for students.
- Maintained an Incident Report of maintenance issues and student feedback.

CERTIFICATIONS/ACHIEVEMENTS

• Incident Detection and Investigation with QRadar	April 2020
• Incident Detection and Investigation with QRadar Apps	April 2020
• Vulnerability Management with QRadar	April 2020
• CompTIA Security+ by Cybrary	July 2019
• Monitoring Network Traffic with SIEM	October 2019
• Kali Linux, Ethical Hacking and Penetration Testing	September 2019
• Ethical Hacking – SQL Injection Attack	September 2019
• Introduction to Network and Network Security	July 2019
• Certified Security Analyst Training	July 2019
• Certificate in ETIC Cybersecurity Challenge at NYIT	September 2017
• Training in JAVA in Info-Bit	January 2016
• Completed seminars on Advance Java, Android, Python conducted by V Nurture Technology	June 2016
• Completed training in C++ in Institute of Computer Training (ICT)	June 2015