**NILESH BHOI**

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**ACADEMIC PERFORMANCE**

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| **Institution** | **Degree** | **GPA** | **Graduation Data** |
| Syracuse University | (MS) Computer and Information Science | 3.4 | May 2024 |
| Indraprastha University | (BS) Information Technology | 77% | August 2021 |

**SKILLS**

**Programming Languages:** Java, C/C++, Python, JavaScript, Haskell.

**Programming Skills:** Bootstrap, jQuery, Ajax, Node.js, Express.js, SQL, Oracle, MongoDB, Layouts & Partials, Passport(JWT, oauth2), CSS, SASS, Multer, NodeMailer, Socket.IO, React, Firebase, Redux, NumPy, Pandas, Matplotlib, RESTapi.

**Tools:** Linux, Eclipse, IntelliJ, VS Code, Git, WebStorm, PyCharm, Postman, Robo 3T, Firebase, Jupyter notebook, Spyder.

**EXPERIENCE**

**Teaching Assistant,** Coding Ninjas, Delhi, IndiaMarch 2020 - July 2020 **(Java)**

* Mentored people across India, monitored students’ performance and cleared their doubts about Data Structure and Algorithms. Total number of Doubts taken: 600 plus with rating: 4.7/5

**PROJECTS**

* **NOT ANOTHER COMPLETELY HEURISTIC OPERATING SYSTEM (C/C++)**
  + Read multiple user programs and schedule them preemptively and non-preemptively. Make Unix system calls - read, write, yield, exit. Stimulate RAM with the virtual address to physical address translation management in NACHOS.
* Implemented a ready queue and scheduler effectuated with the timer interrupt service routine in a multi-programming environment(NACHOS). Designed SJF, FCFS, and Round-Robin Scheduling with different quantum to compare the results.
* **STRUCTURED PROGRAMMING AND FORMAL METHODS (Haskell)**
* Plot a deep automated theorem proofer with the goal of expressing access control policies and their ramifications.
* With access control matrix determined the accessibility of the request used - Bell-La Padula security model and Biba strict Integrity model.
* Built a property testing model similar to QuickCheck for the automatic property testing for the Haskell Programs.
* [**MAJOR PROJECT: STEGANOGRAPHY**](https://ijtre.com/wp-content/uploads/2021/09/2021081105.pdf)  **(Python)**
* Encrypted a secret message within an image with a secure approach that uses spatial domain image steganography, which includes an LSB algorithm for the encryption built in java.
* The cover image and encryption information converged to a stream of bits effectuated with BitStream and vice versa.
* For encryption and decryption-cover image was broken up into individual bit-plane each embedded with different levels of information with a lossless compression technique.
* [**MINOR PROJECT: BITCOIN PRICE PREDICTION**](https://ijtre.com/wp-content/uploads/2021/10/2020080320.pdf) **(Java)**
* Predicted the price of Cryptocurrencies with Deep Learning using Bitcoin as an example to provide insights into future bitcoin trends.
* Analyzed the time series of bitcoin prices with ARMA, ARIMA, and RNN.
* [**SOCIAL WEBSITE**](https://github.com/nilesh507/Nilesh_Bhoi) **(JavaScript)**
* A fully responsive website secured with three security checks with PassportJS.
* Pages are dynamically created (layouts and views) and the Website's API is secured with JWT Authentication.
* Users can post their photos along with captions. Features like, comments, and follow.
* Make friends with other users alongside a ChatBox-chat built with the help of Socket.io.
* [**MOVIE-react-app**](https://github.com/nilesh507/Movie-App) **(React)**
* Designed a Movie review app where you can search for movies, and add/remove them from our favorites. (OMDB API used).

**TRAINING**

* [**Advance Web Development with React**](https://ninjasfiles.s3.amazonaws.com/certificate1039637c17f87f8e8eb78efd110912dbc4d4090.pdf)[4 months]
* [**Full Stack Front Web development with Node.js**](https://ninjasfiles.s3.amazonaws.com/certificate719289a0041f840f982eee2e76cd4b0ea95902.pdf)[4 months]
* [**Front End Web Development with Node.js**](https://ninjasfiles.s3.amazonaws.com/certificate719290dba9980b22b51305f2f3665a6706d5bb.pdf)[4 months]
* [**Java Foundation with Data Structures & Algorithms**](https://ninjasfiles.s3.amazonaws.com/certificate37598043dc02253543b43c307491d151258de8.pdf)[3 months]

**LINKS**

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| * https://github.com/nilesh507 | * [www.linkedin.com/in/nileshbhoi/](https://www.linkedin.com/in/nileshbhoi/) |