

# Sabitha Rachel Nazareth

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## EDUCATION

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**Stevens Institute of Technology | Hoboken, NJ**

**Sep 2022 - May 2024**

**Master of Science, Computer Science: GPA – 3.66**

**Coursework:** Mathematical Foundations of Machine Learning, Machine Learning - Applications, Knowledge discovery and data mining, Database Management Systems, Web Programming, Agile Methods for Software Development.

**Visvesvaraya Technological University | India**

**June 2015- May 2019**

**Bachelor of Engineering, Computer Science: GPA - 8.09/10**

**Coursework:** Data Structures and Algorithms, Object Oriented Concepts, Advanced JAVA, .Net framework for application development, Python Programming, Software Engineering.

## SKILLS

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**Languages:** Python, SQL, C, Java, JavaScript, NodeJS, PHP.

**ML Technologies:** Machine Learning, Classification, Clustering, Regression, supervised and unsupervised learning, numpy, pandas, scikit-learn, matplotlib.

## WORK EXPERIENCE

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**Web Developer | Freelance | Dubai, United Arab Emirates**

**Apr 2021 - Oct 2021**

- Coordinated with clients to understand project requirements and designed user interface of the website using Figma including illustrations and web content.
- Responsible for development of website using HTML, CSS, JavaScript, PHP, and MySQL database. Turned in project units an average of 10% faster than the targets.
- Implemented best design practices to ensure the websites are accessible across many platforms, for consistent user experience. Conducted code refactoring, improving code performance by 50% and reducing application loading time by 20% for enhanced efficiency and user satisfaction.

**Project Engineer | Wipro Limited | Mysore, India**

**June 2019 - Nov 2020**

- Performed backup and restoration of client's data using Veritas NetBackup, Backup Exec, TSM, Veeam and managed backup storages - Tape Library, Media's (Media Request - TAPE IN and OUT Operations at Offsite locations).
- Resolved failures of various backups such as Virtual Machines, File systems, SQL, and Oracle Databases.
- Worked on improvement of existing backup operations leading to reduction of manual process by 30%. Resolved long pending tickets and maintained 98% SLA.

**Intern | Hewlett Packard Enterprises Delivery Center | Mangalore, India**

**July 2018 - Aug 2018**

- Led a team of 6 people and developed hotel browsing application using HTML, CSS, JavaScript, PHP, jQuery, MySQL database that help travellers to find ideal hotels and compare prices from different hotel booking websites.
- Optimized the backend code and database queries by increasing the performance by 40%.

## ACADEMIC PROJECTS

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**Telecom Customer Churn:** Implemented a machine learning project to predict customer churn in a telecommunications company. Pre-processed the data, performed feature engineering, and implemented Sampling using SMOTEEN, achieved an accuracy rate of 95.3%.

**College Admission Prediction:** Trained machine learning models which can predict, based on the given features, the chances of application acceptance for a given student. Conducted data pre-processing, normalization and implemented logistic regression model with PCA. Achieved accuracy of 90% and identified significant factors influencing admissions decisions.

**Project Showcase Application:** Developed an application in React and NodeJS with a team of 5 which can be used by developers to showcase their projects. Built APIs for users to register/login (bcrypt), post projects/ideas and write reviews using MongoDB and Express. Integrated AWS S3 bucket to upload resume, profile picture and images.