Sabitha Rachel Nazareth

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ   **Sep 2022 - May 2024 (Expected)**

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

SKILLS

- **Machine Learning:** Linear regression, Logistic regression, Decision trees, Random forests, Support vector machines (SVM), K-nearest neighbors (KNN), Naive Bayes, Neural networks, Data pre-processing, NumPy, Pandas, Matplotlib, Seaborn, evaluation metrics (accuracy, precision, recall, F1-score, ROC curve)
- **Web & Programming Languages:** Node.JS, JavaScript, HTML, CSS, MySQL, Python, PHP, C, jQuery, Java.

PROFESSIONAL EXPERIENCE

Web Developer | Freelance | Dubai, United Arab Emirates   **Apr 2021 - Oct 2021**

- Coordinated with clients to understand project requirements and design 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. Improved code performance by refactoring 50%, reducing application loading time by 20%.

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

Telecom Customer Churn: Implemented a machine learning project to predict customer churn in a telecommunications company. Preprocessed the data, performed feature engineering, and implemented Sampling using SMOTEEN, achieved a high 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 high 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.

Restaurant Management System: Individually developed a stand-alone desktop application that includes all the details that a manager needs to run the restaurant from ordering the food to generating bill. Technologies - NET and SQL database.