

SABITHA RACHEL NAZARETH

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EDUCATION

Stevens Institute of Technology

Sep 2022 - May 2024

Master of Science in Computer Science | **GPA: 3.8/4**

New Jersey

- **Coursework:** Agile Methods of Software Development, Web Development, Machine Learning, DBMS, Data Mining
- **Experience:** Graduate Student Assistant, **Awards:** Provost Master's Scholarship

Visvesvaraya Technological University

Aug 2015 - May 2019

Bachelor of Engineering in Computer Science and Engineering | **GPA: 8.09/10**

India

- **Coursework:** Data Structures & Algorithm, .NET Framework for application development, Machine Learning, Big Data

TECHNICAL SKILLS

Languages: JavaScript, Python, GraphQL, SQL, R, PHP, Java, C
Frontend: React, Redux, NextJs, Bootstrap, HTML/CSS, Figma
Backend: Node.js, ExpressJS, Redis, Postman, Apollo
Database/ DevOps: MongoDB, Firebase/ Firestore, MySQL, PostgreSQL, Git, GitHub, Docker, AWS

PROFESSIONAL EXPERIENCE

Web Developer

Apr 2021 - Oct 2021

EME Tutoring

United Arab Emirates

- Led the design and development of a tutoring website for a startup, utilizing **React, ExpressJs & Node.js**, with a **45%** increase in user inquiries & **30%** more student enrollment
- Designed high-fidelity prototypes using **Figma**, facilitating quicker stakeholder approvals & **30%** increase in user engagement
- Ensured robust **security & authentication** by integrating **Firebase** services into the application
- Refactored codebase to optimize performance, resulting in a **40%** reduction in application loading time

Project Engineer

Jun 2019 - Nov 2020

Wipro Limited

India

- Developed features within employee onboarding application, collaborating with cross-functional teams & leveraging **MERN**, delivering an estimated **1,000 hours** of manual effort savings
- Constructed reusable React components, reducing code size by **40%** & streamlining the front-end development process, positively impacting the user experience of over **5000** customers
- Designed **client-side Redis caching** & optimized **RESTful APIs**, achieving a **60%** reduction in application load time.
- Collaborated closely with cross-functional teams throughout the **Agile SDLC**, enhancing code quality & decreasing bugs by **15%**, which led to a **55%** boost in user satisfaction ratings

Software Engineer Intern

Jul 2018 - Aug 2018

Hewlett Packard Enterprise, VRV

India

- Led a team of 5 and built a platform that allows users to compare hotel prices from various booking sites using **HTML, CSS, JavaScript, PHP, & MySQL**

PROJECTS

BookMyNanny, [GitHub](#)

Oct 2023 - Dec 2023

- Crafted nanny job search application with **React, GraphQL, & Redis**, addressing the challenge of finding qualified nannies
- Established a real-time chat system through **Firebase/Firestore** & containerized application with **Docker**, enabling efficient iteration
- Spearheaded as a **Scrum Master**, consistently achieving **100%** of **sprint goals** by completing over **12** user stories across **4** iterative sprints

Telecom Customer Churn, [GitHub](#)

Nov 2023 - Dec 2023

- Crafted Machine Learning models & ran over **10,000 customer records** to predict customer churn
- Pre-processed data, performed feature engineering, & utilized Sampling with **SMOTEEN**, achieving an accuracy of **95.3%**

Graduate Admission Prediction, [GitHub](#)

Apr 2023 - May 2023

- Developed a **linear regression model**, achieving an accuracy rate of **90%** in predicting graduate admission outcomes.

OpenGlass: Project Showcase Application, [GitHub](#)

Oct 2022 - Dec 2022

- Built a platform for developers to showcase projects, share professional details, & express availability for hire
- Architected **REST APIs** with **Node.js, MongoDB & Express**, implementing secure **JWT authentication** for protected data
- Integrated **AWS S3 bucket** functionality, delivering users with a secure method to upload & manage essential assets