

# Sabitha Rachel Nazareth

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## EDUCATION

### Master of Science, Computer Science

Stevens Institute of Technology, Hoboken, NJ

Sept 2022 - May 2024

GPA: 3.76/4

Coursework: Agile Methods of Software Development, Web Development, Machine Learning, DBMS, Data Mining

- Graduate Student Assistant (August 2023 - Present)

### Bachelor of Engineering, Computer Science and Engineering

Visvesvaraya Technological University, India

Aug 2015 - May 2019

GPA: 8.09/10

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

## TECHNICAL SKILLS

Languages	: JavaScript, Python, SQL, GraphQL, Java, PHP, C
Frontend	: ReactJS, Redux, Material UI, Bootstrap, HTML/CSS, Figma
Backend	: Node.js, ExpressJS, Redis, Postman, Apollo
Databases/ DevOps	: MongoDB, Firebase/ Firestore, MySQL, Git, GitHub, Docker, AWS

## WORK EXPERIENCE

### Software Developer, EME Tutoring, United Arab Emirates

Apr 2021 - Oct 2021

- Designed UI with Figma and developed responsive website for startup as freelancer, using React, creating dynamic user interfaces
- Engaged closely with clients in product planning & feedback sessions, translating business requirements into technical solutions & delivering project milestones 10% ahead of schedule
- Conducted comprehensive refactoring of codebase to optimize performance, resulting in a 20% reduction in application loading time & improved user efficiency
- **Technologies:** React, ExpressJS, Node.js, Firestore

### Project Engineer, Wipro Limited, India

June 2019 - Nov 2020

- Developed an employee onboarding application leveraging React, Node.js & MongoDB, delivering an estimated 1,000 hours of manual effort savings
- Constructed reusable React components, reducing code size by 40% & streamlined the front-end development process, positively impacting the user experience of over 5000 customers
- Boosted application performance by 30% through Redis caching & optimization of RESTful APIs, resulting in substantial reductions in load times
- **Technologies:** React, ExpressJS, Node.js, Redis, MongoDB

## PROJECTS

### BookMyNanny: [GitHub](#)

- Crafted a nanny job search application with React, GraphQL and Redis, addressing the challenge of finding qualified nannies
- Established a real-time chat system through Firebase/Firestore & integrated Stripe for a secure payment experience
- Implemented CI/CD pipeline & containerised application with Docker, enabling efficient iteration & scalability
- Led a team of three as a Scrum Master within an Agile framework, leading the successful completion of the application

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

- Collaborated with engineers to craft a React application, giving developers an intuitive platform to showcase projects, share educational/ professional details, & express availability for hire
- Architected REST APIs with Node.js, MongoDB & Express, while implementing secure JWT authentication for protected data
- Integrated AWS S3 bucket functionality, delivering users with a secure method to upload & manage essential assets such as resumes, profile pictures, & project images

### BookGenesis, Book Management Application: [GitHub](#)

- Built a web application for book management with search functionality and author profiles, utilizing React with Vite and Apollo Client for efficient data management
- Enhanced the application's backend by building APIs with GraphQL & implemented Redis cache to reduce data retrieval times, leading to an overall performance boost of more than 50%

### Telecom Customer Churn:

- Created a machine learning project to predict customer churn in a telecommunications company
- Pre-processed data, performed feature engineering, & utilized Sampling with SMOTEEN, achieving an accuracy rate of 95.3%