Sabitha Rachel Nazareth

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EDUCATION

Master of Science, Computer Science — **May 2024**
Stevens Institute of Technology, Hoboken, NJ — **GPA: 3.76/4**
Coursework: Agile Methods of Software Development, Web Development, Machine Learning, DBMS, Data Mining
- **Graduate Student Assisstant (August 2023 - Present)**

Bachelor of Engineering, Computer Science and Engineering — **May 2019**
Visvesvaraya Technological University, India — **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 startups 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%