JAIGANESH RAO

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EDUCATION

Stevens Institute of Technology   **August 2021 – Expected May 2023**
Master of Science, Computer Science — GPA: 3.778/4.0   *Hoboken, NJ*
Awards: Provost's Masters Fellowship
Coursework: Web Programming, Agile Methods for Software Development, DBMS, Data Structures & Algorithms, Fundamentals of Computing, OOAD, Knowledge Discovery & Data Mining, Fundamentals of Cybersecurity

University of Mumbai   **May 2015 – June 2018**
Bachelor of Science, Computer Science — GPA: 3.2/4.0   *Mumbai, India*
Awards: CS Department Representative Award

EXPERIENCE

LTI - Larsen & Toubro Infotech   **January 2019 – July 2021**
Software Engineer - Cloud & Infra Services   *Navi Mumbai, India*
- Collaborated on application development and support using **Java** and **Python**.
- Developed and refined applications, including entry management tools, conversion & revenue reporting systems, and production process tracking systems for the client.
- Updated existing **RESTful** APIs and implemented optimization.
- Maintained and troubleshot large-scale apps for critical bugs and errors, increased efficiency by **15%**.
- Created **30+** Python scripts, further used for successful automation.
- Engaged in application code reviews and monitoring using **Nagios** and **New Relic**.
- Participated in future projects and innovations within the company.

PROJECTS

Build-A-Survey (GitHub) | *Stevens Institute of Technology*   **June 2022**
- Developed an online survey builder app using **ReactJS**, **NodeJS**, **ExpressJS**, **MySQL Workbench**, and **React-Bootstrap**.
- Added CRUD admin features to generate surveys and options to create **MCQ**, **Inventory**, and **Likert** questions.
- Engineered a user-friendly interface for survey feedback submission.
- Designed intensive relational data model and wrote **SQL** queries for database operations.

TULSEE (Website, Demo, GitHub) | *Stevens Institute of Technology*   **May 2022**
- Built a B2C collaboration app using **NextJS**, **NodeJS**, **ExpressJS**, **Firebase**, **Socket.io**, **AWS EC2**, and **Chakra-UI**.
- Implemented features such as creating personal and group projects and CRUD operations for every task.
- Added group chat, end-to-end encryption, image & document upload, search, and archive project.
- Integrated **Zoom API**, allowing group members to host meetings within the application.
- Enabled easy sign-in/login option with **Google SSO**.

MediaHub (Demo, GitHub) | *Stevens Institute of Technology*   **December 2021**
- Created Movies & TV-Shows web app using **ReactJS**, **NodeJS**, **ExpressJS**, **MongoDB**, and **React-Bootstrap**.
- Added CRUD operations for Users & Media, also option to filter content by release date, genre, popularity, and title.
- Executed user authentication system using **JWT**, enabling and maintaining user logged-in sessions.
- Implemented auto-complete search and trending media features based on overall ratings.

School Management System | *University of Mumbai*   **January 2018**
- Created a web application for teachers and students using **Python Django** and **MSSQL Server**.
- Introduced an ER diagram to build database relationships and enabled database connectivity via **pyodbc**.
- Deployed project on **Windows 2012 R2** server utilizing the **IIS** feature and **CGI** role services.

Dictionary App | *University of Mumbai*   **October 2017**
- Constructed a mobile dictionary app using **Android Studio** and **SQLite**.
- Included **2000+** words, providing a view of words with definitions, synonyms, antonyms, and sentence usage.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL
Web Technologies: HTML5, CSS3, NodeJS, ReactJS, NextJS, ExpressJS, VueJS, GraphQL
Database: MongoDB, Firebase, PostgreSQL, MySQL Workbench
Other: GitHub, AWS, Azure, VMware, Cisco Packet Tracer