

# Gargi Sontakke

FULL STACK ENGINEER

## Details

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## Links

[LinkedIn Profile](#)

[Github Profile](#)

[Website](#)

## Skills

**Programming Languages:** C/C++, Python, JavaScript, HTML, SQL, Java, Unix shell scripting, VHDL, React, React Native, AngularJS.

**Frameworks and Libraries:** MATLAB, Splunk, Spring Boot, Git, Docker, Kubernetes, AWS, Rancher, Jenkins, Apache Kafka, REST APIs, Web Development, Arduino, CI/CD, Apache Tomcat.

**Databases:** Oracle, MySQL, RDS, Firebase.

Attention to Detail - Test and Documentation - Product Management - Mentorship and Management Skills - Communication and Best Practices - Resilient in Multitasking - Collaboration and Teamwork

## Education

**Master of Science in Computer Science, George Mason University, Fairfax**

AUGUST 2021 – PRESENT

- **Coursework (Fall 2021):** Introduction to AI, Database Systems, Mathematical Foundations of Computer Science, Computer Systems, and Fundamentals of Systems Programming.
- **Coursework (Spring 2022):** Analysis of Algorithms, User Interface Design and Development, Component-Based Software Development.

**Bachelor of Technology in Electronics and Telecommunications, Vishwakarma Institute of Technology, Pune**

AUGUST 2014 – MAY 2018

## Summary

A Full Stack Developer currently pursuing a master's degree in computer science with 2 years of experience, adept in bringing forth expertise in designing, developing, and implementing scalable applications and products using an extensive range of front-end and back-end technologies. Seeking to leverage my skills and experience to further the mission of a company.

## Employment History

### Volunteer, LittleNudge

JULY 2022 – PRESENT

- Working as a full stack software developer to create a confidence-boosting mobile application in React-Native for android and iOS devices with Firebase as the back-end, with a goal to improve user confidence by analyzing their daily moods based on their inputs through widgets, texts, or emoticons.
- Brainstormed on the application design architecture from a business perspective to develop efficient and scalable designs that caters to the customer's needs.

### Exploration Staff, MasonLIFE, George Mason University, Fairfax

JANUARY 2022 – PRESENT

- Mentored 10 specially-abled students from undergraduate and graduate levels with their curriculum, assignments, and examinations on a one-on-one basis.
- Assisted students with their career needs such as resume creation, modification, and job application processes.

### Software Engineer, Vodafone Shared Services India, Pune

JULY 2018 – OCTOBER 2020

- Participated in team collaborations within the ORACLE pillar to develop web applications using front-end technologies like React and Angular, HTML, and middle-ware tools like REST API for enhanced user experience and improved business workflow efficiency by around 50%.
- Build Restful API that served data to the JavaScript front-end based on dynamically chosen user inputs to handle requests up to 500,000 concurrent users.
- Worked on back end technologies like RDS and Oracle using SQL and Spring Frameworks to design databases using DBMS principles, to maintain web, mobile web, and content management systems, and improve the performance of analytical workloads by 40%.
- Worked closely with the DevOps team to build scalable web applications and products using containerization technologies like Docker and Kubernetes, providing resilient architecture thus reducing operational cost by around 7%.
- Collaborated with the UK Integration TIL-RIG Team and mentored the UK Monitoring Team of 8 people to analyze user requirements and develop solutions using monitoring tools like Splunk using SPL (Search Programming Language).

### Software Developer Intern, PANTECH ProED, Pune

JANUARY 2018 – JUNE 2018

- Co-ordinated a project that used serial communication protocols like UART and I2C, interrupt handling, and brain wave sensors for password authentication using brainwaves, along with documentation of best practices.

### Industry Intern, Tata Communications Limited, Pune

JUNE 2017 – NOVEMBER 2017

- Supported the NLD Upgrade-14C & 15A Project based on IP, SDH, and DWDM technologies on an enterprise-wide scale, reducing the turn-around time by 10%, slashing the enterprise cost by 7%, along with the documentation of cloud migration activities and handovers.

## Projects

### Easy Split: An expense-sharing app

- Developed a UI-focused web [application](#) used to help users track and share expenses, with embedded logic: ReactJS and HTML for the Client Side, and Firebase to support the Database needs.

### Pacman Projects in Artificial Intelligence

- Implemented an array of AI techniques for playing a [Pacman game](#) in Python, like informed state-space search algorithms, Model-based and Model-free Reinforcement learning Algorithms, and Probabilistic Inference with real-world applications in NLP, Computer Vision, and Robotics.

### Project Assignments in Component-Based Software Development

- Course [projects](#) to gain a full stack developer experience, exploring AWS services like S3, EC2, and IAM to create and host applications on AWS, containerizing and deploying those applications on a K8 cluster with Rancher to provide resiliency and scalability of the application.