

Thaarani Subramaniam

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EDUCATION

Stevens Institute of Technology | New Jersey, USA

Dec 2023

Master of Science in Computer Science | GPA: 4.00

Relevant Courses: Web Programming, Algorithms, Knowledge Mining & Discovery, Social Network Analysis

PSG Institute of Technology | Tamil Nadu, India

May 2020

Master of Science in Software Systems | CGPA: 7.24

Relevant Courses: DBMS, Object Oriented Programming, Data Structures and Algorithms, Cloud Computing

WORK EXPERIENCE

Akira Consultancy | Bangalore, India

Data Analyst

Dec 2019 - Oct 2021

- Collaborated on Enterprise data warehousing for global sports retailers and motor manufacturers
- Implemented a database schema and wrote advanced PL/SQL queries, stored procedures, triggers, and views to facilitate different functionalities based on business requirements
- Analyzed data from various sources, including SharePoint and flat files, to migrate data from those sources to MySQL Server using Azure data pipeline
- Constructed an interactive dashboard having multiple components using Power BI to perform and display statistical analysis for business stakeholders, to arrive at crucial business decisions to increase revenue
- Integrated 2 APIs - language translator and text analyzer into database structure to collect user review data across globe and convert it into a single language to achieve more straightforward data visualization
- Developed a preprocessing bot; it acquires dataset, handles missing values, encodes data, and features scaling to reduce time and effort in manual preprocessing

Fourkites | Chennai, India

Software Development Intern

May 2018 - Nov 2018

- Worked on REST APIs to retrieve various tracking information based on requirements and tested using the Postman client
- Developed a framework in Java that helps end users schedule appointments following which goods are transported to client destinations. Maintained code standards by participating in peer code reviews

SKILLS

Language/Framework/Tools: SQL, Python, Java, JavaScript, Node JS, HTML5, R, Power BI, VS Code, Spyder, Git Eclipse, Azure, AWS, Microsoft Office.

Databases: PostgreSQL, MongoDB.

ACADEMIC PROJECTS

Insurance Management System

Jan 2022 - May 2022

- Constructed a web application to show available insurance policies and details. It allows customers to apply for insurance online. The system sends reminders to customers about monthly and yearly premiums. Application takes care of auto-renewal of policies
- Created website's backend using Node JS, Express for routing of APIs, and a few NPM packages for hashing passwords and handling XSS attacks. HTML, CSS, PHP, and JavaScript used in frontend

Load Balancer

Jan 2022 - May 2022

- Designed an e-book website where books can be viewed, downloaded, and uploaded in different file formats. Embedded a load balancer in an EC2 machine to efficiently handle user requests
- Deployed load balancer in the backend with the help of AWS CloudFormation orchestration Engine

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Akira Consultancy

May 2015 – Dec 2021

- Recognized as an Outstanding performer in Data Engineering Team
- Conducted coding events in PSG Tech for several technical symposiums
- Led a club named Youth Red Cross Society, PSG Tech, and volunteered for several scribing events