SAI KIRAN URITI

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EDUCATION

New York University — New York, NY
Masters in Computer Engineering — May 2023
Coursework: Data structures and algorithms, Databases, Network Security

SRM Institute of Science and Technology — Chennai, India
Bachelor of Technology in Computer Science and Engineering — May 2020
Coursework: Discrete Mathematics, PHP, Operating Systems, Object Oriented, Algorithm Design and Analysis

SKILLS & ADDITIONAL INFORMATION

Languages: Javascript, Java, Python, C++, C, HTML / CSS, SQL, PHP
Frameworks : React.JS, Node.JS, Angular 8+, Express JS, MongoDB, Bootstrap
Tools: NPM, Git, Github, Numpy, Pandas, AWS, Matplotlib, DevOps, Agile, Scrum

WORK EXPERIENCE

Metamorphosis — Hyderabad, India
Software Engineer (SQL, WordPress, APIs) — *Jun 2022 – May 2023*
- Developed and maintained custom WordPress websites, utilizing SQL, queries for seamless data management and retrieval.
- Designed and implemented SQL database schemas, ensuring data integrity and optimizing query performance for efficient data storage.
- Collaborated with cross-functional teams to integrate third-party APIs and services into WordPress websites, enhancing functionality and delivering tailored solutions to clients.

Metamorphosis — Hyderabad, India
Software Engineer (React, Angular, Uglify JS, Babel) — *Jul 2020 – Jul 2021*
- Streamlined the development process for a new feature by improving the front-end build system, resulting in a 40% reduction in the time required for code changes to go from development to production.
- Reduced the page load time of a web application by optimizing images and minifying code, resulting in a 25% improvement in page load speed and a 20% increase in user engagement.
- Used established coding standards and methodologies and mentored a team of 15+ junior engineers on best practices.

SoftLogic Systems — Chennai, India
Full Stack Developer Intern (RESTful API, Express.JS, Node.JS) — *July 2018 –Oct 2018*
- Developed a RESTful API using Node.js and Express.js to handle user authentication, booking requests, and payment processing.
- Increased the loading speed of web pages by 30% through implementing optimization techniques such as lazy loading and image compression, resulting in a significant improvement in user experience and engagement metrics.

Infogro Technologies — Chennai, India
Software Engineer Intern (Agile Scrum, CI/CD, Software Development) — *June 2018 – July 2018*
- Developed, tested, debugged and documented 10+ software applications.
- Worked within an agile scrum team, contributing to 100% continuous improvement and deployment (CI/CD).
- Implemented automated testing strategies and frameworks, such as Selenium or Junit, to ensure the quality and reliability of applications.

ACADEMIC PROJECTS

Flight Insurance Management System *(ReactJS, Databases, Express.JS, Node.JS)*
- Developed a fully functioning Insurance Management Website which allows a user to book, cancel, and modify a flight and purchase a flight insurance to go with it.
- Whenever the customer purchases or renews a plan, the information of the customer is collected and stored in databases.

Yelp recommendation System *(Apache Spark, MongoDB, Machine Learning)*
- Led the development of a big data project that utilized Apache Spark and MongoDB to build a recommendation system for Yelp restaurants.
- Collected and processed large volumes of data on restaurants, users and reviews from Yelp's API using Apache Spark.
- Improved the recommendation accuracy of the system by 25% through fine-tuning the machine learning models and incorporating additional features such as user location and restaurant attributes.

Detection Of Phishing Attacks *(Machine Learning, Random Forest, Natural Language Processing)*
- Implemented security protocols to detect malicious websites and the location of the server.
- Used the supervised machine learning algorithm called Random Forest for the URL classification which helped reduce the false positive rate, leading to more accurate detection of phishing websites.
- Published the paper in IJAST(SERC) journals.

EXTRACURRICULAR ACTIVITIES

- Member, Association for Computing Machinery (ACM), New York University, New York, NY.
- Event Organiser, AURGANON, SRM Institute of Science and Technology, Chennai.
- Participated in a Hackathon event, SRM Institute of Science and Technology, Chennai.