VAIBHAV SANKARAN

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Experience

Verizon Data Services India Pvt. Ltd.   **Chennai, TN, India**
Software Development Engineer - II   *Dec 2023 – Jul 2024*
- Lead Java Back-end developer for 'eSIM transformation', which recently went live, and aims to increase Verizon's digital sales.
- Key involvement since the planning and grooming phase.

Software Development Engineer - I   *Jul 2022 – Nov 2023*
- Back-end developer for '+Play', a highly lucrative product for Verizon's business.
- Recognized for key contributions to InnoHub, a 15-member innovation team in Verizon India, by suggesting user-friendly ideas.

Software Developer Intern   *Feb 2022 – Jun 2022*
- Assisted in the development and maintenance of 'AddOns' project in Verizon web.
- Understood several customer flows and their implementations.

Education

Khoury College of Computer Sciences, Northeastern University   **Boston, MA, USA**
Master of Science in Computer Science   *Sep. 2024 – Present*
- Member of Artificial Intelligence Club
- Member of Graduate Student Government

Sri Sivasubramaniya Nadar College of Engineering (SSN), Anna University   **Chennai, TN, India**
Bachelor of Eng. in Computer Science and Engineering   *Sep. 2018 – Jun 2022*
- CGPA: 8.422
- Was awarded Meritorious Sports Scholarship twice (2018-19, 2020-21)
- Active member of IEEE and National Sports Organisation (NSO)
- Captain of SSN Cricket team

Technical Skills

Languages: Python, Java, C, Php, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Spring tool Suite, Postman, Android Studio

Projects

Hyperparameter tuning in traffic forecasting | *Python, Data Analytics*   **Jan - Jun 2022**
- Proposed a system based on the additive regressive time series forecasting model - Prophet, which accommodates selected exogenous factors, to best capture the stochastic nature of traffic.
- Improved the model by using Bayesian-directed search techniques for optimising the most crucial model hyperparameters to increase forecasting accuracy.

Event Management System | *Php, Javascript, CSS, HTML*   **Mar - May 2021**
- Developed a website for a highly anticipated event in our college called INVENTE'21.
- Created a platform to list all events, where users were allowed to add stalls, sell tickets, give away coupons, market their products, and many more.
- Github: Event Management System

Implementation of Poker game | *Java, Eclipse, JavaFX*   **Sep - Nov 2019**
- Designed the famous poker game as part of our coursework.
- This project uses OOPS concepts like inheritance, exception handling, polymorphism, and data encapsulation.
- Github: Poker Game

Publications

Lakshmi Priya S R, Suresh J, Sharan G, Snehapriya M, Vaibhav S: "Effects of Exogenous Factors and Bayesian-Bandit Hyperparameter Optimization in Traffic Forecast Analysis" {URL: Springer link }

On a high level, it provides a comparative study on the various hyperparameter tuning methods and the effects of exogenous factors such as seasonal holidays, weekends, summer vacations, etc. on improving the accuracy of traffic forecasting.

Teamwork and Leadership

Sports - National Level Cricketer
- Represented and Captained the State, Anna University, and the SSN Cricket team to several championships.

Volunteering
- Volunteered for 90+ hours by participating in activities like beach cleaning, making paper bags and dog collars, planting trees, etc.