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Hello.

I am writing to express my strong interest in the Software Engineering Internship position at Yahoo. I got to know about this job by looking it up online through Handshake and I would like to express a few words that would hopefully convince you to give me an opportunity to serve under this role.

I have joined Arizona State University this Fall and I completed my undergraduate studies in India. During the period of my undergraduate study, I worked on a variety of projects in various domains in Computer Science. I have experience working on Java and C++ extensively. One of my most recent projects is an Applicant Tracking System using a Multi-Criteria Decision Making (MCDM) paradigm called Analytical Hierarchy Process (AHP) and keyword matching using TF-IDF. I envisioned the idea, created and led a team of three to successfully deliver the final product which is being used to optimize the hiring process at SASTRA University.

Another instance of my ventures that is used in real-time is my work on improving the brand loyalty of Indian theaters in rural and semi-rural areas by applying the SERVPERF framework and attempting to find correlations. I collected the data by preparing questionnaires for the theater owners and customer feedback, used Pearson's correlation and analysed the data in IBM's SPSS. The results of my simple experiment are still used by three theaters in Trichy, India to boost sales and improve marketing.

In my junior year, I took up a research project under Prof M.S. Vijayan, at the Council of Scientific and Industrial research (CSIR) Fourth Paradigm Institute, Bengaluru. Here, I developed a distributed web application that processes ionospheric data to predict the Total Electron Content (TEC) at a given location. I used HTML ,CSS and JavaScript to develop the front-end and PHP as middle-ware to interact with a MySQL DBMS back-end. This application served as an interface for researchers around the globe to upload and process RINEX data and made it possible to predict the ionospheric content given the location of the user.

During the summer of my sophomore year, I started reading about Operating Systems as I wanted to learn about how computers provide the capability to run multiple processes concurrently and how operating systems manage hardware resources under the covers. I implemented the Multi-Level Feedback Queue scheduler and evaluated its performance with other schedulers such as Round Robin and Randomized scheduler. This helped me understand the different trade-offs involved in scheduling such as simplicity and avoiding starvation. As an extension, I developed a multiprocessor scheduling technique using Ant Swarm Optimization, which I presented as part of my Operating Systems course project.

For these reasons, I believe that I have the skills, commitment and dedication that this position would demand, and I know that I can contribute positively to the Engineering team at Yahoo. I would also like to express my sincere thanks to you for taking the time out to read through this letter. Please do not hesitate to contact me if you have any queries.

Thank you.

Yours very sincerely,

R.Vishnunarayanan