

Letter of Recommendation

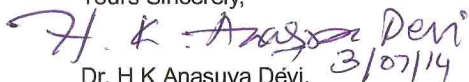
It is a pleasure to write a Letter of Recommendation for Mr. Sumith Kumar Puri. My association with him is for a year as a Professor of the Proficiency [Intelligent Agents] course for the term January-May 2014. I along with one another Professor, Mrs. Susheela Devi – were the teaching faculty for this course. This course is provided as part of the Quality Improvement Programme under the Centre for Continuing Education at the Indian Institute of Science, Bangalore. For successful completion of the course, the requirements were the passing submission of two assignments, one essay, one project demo with viva voce along with passing a mid-term examination and a final examination. They were all closed-book examinations. Earlier, In the August-December 2006 term, Sumith had successfully completed the course Proficiency [Cryptography & Network Security] under Prof. R.C. Hansdah.

Through my observation, I can confirm that he has research potential and would easily recommend him for admission to the Master of Technology/Master of Science or Master of Philosophy/Doctor of Philosophy Programs in Computer or Information Science and Engineering. I would also consider his work during this period and do justice to recommend him for any form of financial aid. Sumith was attentive and participated overall in the class activities. He always used to submit any classwork, i.e., assignments, essays or programming work on or before time. His work mostly resonated original thought processes and innovation. With regards to Computer Programming, I have observed that he is highly skilled in Core Java. I can also testify that he has higher level knowledge in C and C++. This will continually help him to prove outcomes of research with adequate ease and skill. This observation is based on the assignments submitted. The problems in these assignments were based on Higher-Level Computer Science, Algorithms, Data Structures, Logic Programming and Graph Theory. The crux of the problems centred around Artificial Intelligence, Intelligent Agents, Symbolic Logic and Application of Search in Problem Solving Techniques.

Sumith also co-authored, along with me, an essay/paper titled 'Effects of the Cyber Society on the Average Computer User'. His Analytical, Critical and Verbal skills along with effective usage of the English Language are among the 0.1% of the students that I have ever taught. This free-form language essay was an abstract of his paper titled 'The Socially Acceptable Social Networks', which had earlier been accepted into the '**National Journal of Computer Science and Technology, Vol. 5, Iss.1 & 2**'. His course project was titled "*Efficient Geo Web Crawling in Java*". It demonstrated a web crawler titled 'mowglee' as an Intelligent Agent. It was entirely built on Core Java and architected as a distributed system. It was also designed for geographic data affinity. It encouraged component based development. As per him, the submission for the classroom project was version 0.2a. He also declares that he will continue his research and development efforts on 'mowglee' to the grade of an open-source and production quality enterprise crawler for the industry or academics. 'mowglee' is downloadable from <http://goo.gl/9EtEow>

The important concepts, ideas and the design of the project ('mowglee'), as a Technical Article, were also accepted for publication in 'The Server Side', 'CSI Communications' and 'The Java Magazine'. This article was published in '**The Java Magazine Vol. 1 No. 03 Iss. 3 (05/2014)**'. During this association, Sumith also had one another registered publication accepted in a conference. The paper was titled 'The New Age Search Engines'. This was presented by him in the "**International Conference on Business, Industry and Government 2014**". This conference was convened by the Computer Society of India, with the central theme being 'Big Data and Analytics'. Later, this was paper also part of the IEEE Xplore. The paper was presented under the track '*Web Engineering: Search Architectures*'. Sumith obtained a grade of 'Excellent(A)' for this course as calculated by the Centre for Continuing Education rules and regulations. I am also aware that Sumith Kumar Puri has 9.2 years of experience in various facets of Enterprise Software Development, Design and Architecture in reputed software companies of the world. I wish him grand success to continue his passion in the field of Computer and Information Science through higher studies and dedicated research.

Yours Sincerely,



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