T.K. Prashanth

Resumé

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Objective

○ To apply my knowledge and skills in attaining proficiency on a corporate platform.I will strive to be diligent and provide an innovative edge to the projects to my organization and to grow professionally

Education

2013
2015
B.E. Computer Science , *4th year*, PES Institute of Technology, Banashankari,Bangalore.
CGPA: 9.32

2011
2013
Pre University College, *Miranda Composite Pre University College*, Bengaluru, *91.4%*.
Passed with distinction

1999
2011
High School, Frank Anthony Public School, Bangalore 560008.
92.00%

Publications

○ 2016: Sharma, Susheel,Prashanth,Tarun,Uthej,Rugwed. Real Time Video Content Based Contextual Advertisement. ACEit-2016. International Conference on Advancement in Computer Engineering and Information Technology held in India. ACEit-2016.

Projects

Geospatial Interpolation Analytics Operator in Eventshop

○ Guides: Dr. Ramesh Jain, Dr. Siripen Pongpaichet and Mengfan Tang

Developed the Datasource Interpolation operator for handling missing spatio-temporal points using Machine Learning by increasing the accuracy of the geospatial interpolation analytics operator of the Eventshop tool to handle semi-structured heterogeneous data streams .

Swacch-Bharat Image Analysis

○ Guides: Dr. Dinkar Sitaram and Dr. K.V.Subramaniam

Developed an Image analysis pipeline to estimate the metric volume of complex structured random object, specially garbage dumps using Machine Learning, Structure from Motion and 3D Reconstruction. This project undertaken by a 9 member team is aimed at the Swacch Bharat Project in India.

Hierarchical Data Analysis and Multilevel Modeling

○ Guides: Dr. Kavi Mahesh (Dean of Research at PES University), Dr. I.K. Ravichandra Rao and Dr. K.N. Seetharamu

Enhanced prediction and knowledge analytics of hierarchically structured data to explain the conglomerated role of Impact factors, H indices, SJR ranks etc. on the number of citations and references a research article receives using Multilevel Modelling.

Online Invoicing Service

○ Guides: Prof. Vinay Joshi

Developed an online framework for helping startups and companies use our paid invoice designing and custom and non custom made template purchasing and online designing service.

P-Comet

○ Guide: Dr. A. Shrinivas

A social networking website used for the collaboration and discussion of academic projects and a student recruitment service between students of different universities in India . Implemented as a part of Microsoft Mobile Innovation Lab, Summer Fellowship , I was the Chief back-end designer and Project Integrator in a team of 6 members.

Ontological Analysis using a Graph database engine

○ Guide: Prof. Channa Bankapur

Built an interface for the visualization of the road safety dataset of United Kingdom (2012) using a graph database engine , Neo4j.

Stock Market Analysis

○ Guide: Dr. Shrinivas Murthy

An offline data analytics project hosted locally to retrieve useful knowledge from a sample stock market dataset on the Bombay Stock Exchange.This project was completed as part of the Database Management Systems course.

Intellibot

A Line-following collision-avoiding robot constructed in a 3-man team under the JED-I (Joy of Engineering and Design) Project Challenge .

CityCleaner

A phone app for Windows Phone OS 8 which enhances the connection between mayor/municipal and Bangalore residents by broadcasting the domestic problems in the area of residence and hence provides for a swift handling of the issue by the authorities. This was our entry to the Ayana hackathon-2014

Areas of Interest

- Big Data Analytics and Artificial Intelligence
- Image Processing and Computer Vision
- Web Development and Information Security
- Urban Development

Skills

Programming Languages	Python,Java,C,PHP,SQL,RubyonRails,Matlab,R,Javascript,C#
Databases	AsterixDB,MySQL,MongoDB,postgres,Neo4j,

Professional Experience

Internships

2015 . **Summer Intern**, *Worked with Dr. Dinkar Sitaram and Dr. K.V. Subramaniam* , Cloud Computing and Big Data, PESIT, Bangalore.

2014 . **Summer Intern**, *Worked with Dr. Kavi Mahesh, Dr. I.K. Ravichandra Rao and Dr. K.N. Seetharamu*, Knowledge Analytics and Ontological Engineering (KAnOE), PESIT, Bangalore.

2013 . **Summer Research Intern**, *Worked with Dr. A Shrinivas*, Student Nokia Developer, PESIT, Bangalore.

Awards, Achievements and Hobbies

- Won V.T.U. South-Zone State Level Inter Collegiate Football Tournament in Karnataka State for PESIT ,twice in 2014 and 2015 and finished fourth in V.T.U State Level Inter Zonals in 2015.
- Presently the Captain and Manager of the PES University Football Team.
- Won the Autumn Muse St. John's Inter College Hockey Championship for PESIT.
- Won the Bangalore South Zone V.T.U State Level Inter Collegiate Hockey Tournament and also went on to win the State Level V.T.U Inter Zonal Hockey Tournament in 2015.
- Won the Samarpana India 10km Run - 2016.
- Have actively participated in organising Hackathons and Workshops for Student Nokia Developer, Microsoft Mobile Innovation Labs and the Computer Science Department of PESIT and am the Core Organiser for events like Ayana, HashCode, Incito - Ideathon etc.
- Have played regularly in the State A-division Hockey League for Primrose HC in the Centre-half position.
- Our Internship project completed when I was in my first year of engineering got selected for Eximius , the Investors' Meet conducted by IIM, Bangalore, in which we participated.
- I am an active athlete, an amateur soccer and hockey player, a sprinter, middle distance runner, play chess, table-tennis and basketball at a non-professional level.

Languages

- English
- Hindi
- Kannada
- French and Japanese (basic level)