PRAFUL BAGAI

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SOFTWARE ENGINEER

Java Enterprise Edition │ ECLiPSe Programming System

Detailed oriented programmer with success devising innovative and tailored solutions to meet ever-changing requirements in technology. Advanced skill with leading-edge programming tools complemented by proven ability to assimilate and rapidly utilize emerging technologies. Solid mathematical knowledge in developing efficient algorithms. Technical proficiencies includes **strong** knowledge of :-

Environments	Windows, Android(Developed 4 Apps), ECLiPSe, Java Enterprise Edition.
Programming	C/C++, Java, Python, PHP, JavaScript, MySQL, RDF, OWL, SPARQL
Technologies	LAMP Stack, Semantic Web (Web 3.0), HTML+CSS+AJAX

PROFESSIONAL EXPERIENCE (INTERN)

WEBSITE DEVELOPMENT

Department of Information Technology, New Delhi

Duration: 12 June'12 – 8 August'12

DESCRIPTION- Developed a Dynamic Website(**SOCIAL NETWORK**) using JAVA(JSP+Servlets) as the coding language, MySQL as the Database, Windows as the Operating System, Apache as the server and CSS (Cascading Style Sheet) for styling different HTML pages. Also used AJAX and JavaScript (Asynchronous JavaScript and XML). It works the same way as Facebook does.

Moreover, I also familiarized myself with Open Source Technology & its usage in Web Development using **DRUPAL** on localhost.

Roles- Design, Developer, Testing

Projects

- **Semantic Web Search Engine**

  Description:-Developed a Semantic Search Engine that collects statements which represents a piece of knowledge that can be easily processed by the machines. It solves the ambiguity between different queries. The agent conducts reasoning based on its understanding of the common terms and relationships. For example, knowing the fact that resources A and B have the same e-mail address and considering the knowledge expressed by the common terms and relationships, it should be able to decide that A and B are in fact the same resource . All in one, designed an INTELLIGENT system.

  Tools:- Apache Jena (Open Source Semantic Web Framework for Java) , AllegroGraph (Graph Database), SPARQL (Query Language), GraphViz (represents RDF triples in a graphical view).

- **The Search Engine**

  Description:- Build a customized Search Engine completed with a Web Crawler. Shows various results in terms of written data and images as well. The Engine responds to the queries in the best possible way.

  Tools – Apache Nutch(Open Source Crawler), Apache Solr(Open Source Search Platform), AjaxSolr(A JavaScript framework for creating user interfaces to Solr.)

Education

September 2009-Present	**B.Tech- Information Technology** Guru Tegh Bahadur Institute of Technology, Indraprastha University, New Delhi	**71.22%**
April 2008 – March 2009	**Senior Secondary Examination - Class XII** St. Mark's Sen. Sec. Public School, New Delhi CBSE	**75.40%**
April 2006 – March 2007	**Higher Secondary Examination - Class X** St. Mark's Sen. Sec. Public School, New Delhi CBSE	**81.0%**

Personal Details

- **Date of birth :** 4th January,1991

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- **Nationality :** Indian

- **Permanent Address:** C-6 A / 62 C Janak Puri, New Delhi-110058

Praful Bagai