

Prasandeeep Singh

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EDUCATION:

Indiana University, Bloomington (USA)

Master of Science, Computer Science

August 2016 - May 2018

GPA 3.85/4.0

Relevant Courses – Algorithms Design and Analysis, Software Engineering, Cloud Computing, Object Oriented Software Management, Artificial Intelligence

Punjabi University, Patiala (India)

August 2008 – May 2012

Bachelor of Technology, Electronics and Communication Engineering

TECHNICAL SKILLS

- Programming languages: Java, C++, JavaScript, HTML, CSS, jQuery, SharePoint 2010/2013
- Frameworks/Tools: SharePoint 2010/2013, Hadoop, Map-Reduce, YARN, Heroku, Ella, [GraspableMath](#), Phaser.io, Github, Node.JS (with Sequelize ORM), ExpressJS, Eclipse, WCMS(Indiana University's web framework), Rhythmyx
- Project Management: JIRA, Confluence, Agile methodologies- Scrum/Kanban, HPSM, Slack, Asana

WORK EXPERIENCE

Web Developer | *Kelley School of Business, Indiana University*

June 2017 to Present

- Responsible for development and coding of new websites and maintaining existing websites within the Kelley website environment
- Perform technical analysis of external sites for general maintenance of outdated content, styles, and web standards compliance.
- Conduct related planning, design, programming, testing, implementation and support of products.

Associate Instructor | Software Engineering Graduate Course, Indiana University

January 2017 to Present

- Grade Assignments, Projects, Quizzes and Exams, Provide Insight and clarify theoretical/application doubts and conduct office hours to help students with their queries

Senior Systems Engineer | Infosys Limited, Pune

March 2013 - July 2016

Customer Management Services - Client METRO

- Developed site collections for Metro Employee base
- Managed 10000 site collections, user access and portfolio services
- Developed automated scripts for dynamic site storage allocation reducing SLA by 40%

ACADEMIC/SIDE PROJECTS

LinkedIn Recruiter E-mail | Java

June 2017 – August 2017

- Sends an auto-generated email to all recruiters on your LinkedIn profile.
- Can customize mail to be specific to individual recruiter and include details of the recruiter in the mail itself
- Mail Sent using JavaMailAPI - Oracle

Netflix/Amazon Recommendation System | Java

May 2017 – July 2017

- Worked with data for movies, including ratings which items should be recommended to a user based on their ratings of several movies using Object Oriented Programming with Java language.
- Calculate average ratings, calculate how similar a given rater is to another user based on ratings, Recommend movies to a given user based on ratings and display recommended movies for a given user on a webpage.

Student Engagement Roster | *Office of the Vice Provost for Undergraduate Education (OVPUe)*

May 2017 to June 2017

- Developed front-end prototype for OVPUe's Student Engagement Roster(SER) application
- Edited and Improved UX-designs for SER and other applications
- Contributed to conceptual and architectural design of system for the presentation of data on student performance.

Predictive Text Generation | Java

May 2017 – June 2017

- Generation of random text from a given training set using Markov Models (Order N)
- Incorporated class design features using UML diagrams and OOP concepts

Search Engine | Java, Hadoop- Map Reduce, HBase, Lucene

March 2017-May 2017

- Developed a test search engine using the clueweb09 dataset containing ~1billion pages.

- Implemented an algorithm that computes the inverted index and is capable of handling queries in the form of a single word

Online Game Math-e-Saurs – Software/Web Developer | JavaScript

January 2017 – May 2017

- Developed an interactive game to make learning mathematics easy and fun for children (3rd to 9th grade)
- Followed Agile Development methodologies with regular deliverables after each sprint

E-commerce website - [Foodforsoul.com](#) – Software Developer and Project Manager

August 2016 – December 2016

- Developed one-stop E-commerce marketplace for students to buy/sell class notes and books
- Applied novel project/resource management techniques such as Scrum/Kanban models increasing productivity and ensuring accurate deliverables