

Abhishek Jain

<https://abhishek-jain11.github.io/me>

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EDUCATION

- **University Of Southern California** Los Angeles, CA
Master of Science in Computer Science; GPA: 3.50 Aug. 2016 – Present
- **SRM University** Chennai, India
Bachelor of Technology in Computer Science; GPA: 9.14/10.0 Aug. 2008 – July. 2012

TECHNICAL SKILLS

- **Languages:** Java, Scala, Python, R, SQL, Javascript, HTML, CSS, Shell Scripting
- **Frameworks:** Springs, D3, Apache Spark, Bootstrap, Spacy, Struts, Swagger, Node JS, Tesseract, Solr, PDFBox

EXPERIENCE

- **ADP** Pasadena, CA
Software Engineer Intern June 2017 - Present
 - **Notice Digitalization:** Speeding up Tax Notices response time upto 1000x by developing an OCR-NLP pipeline using Spacy and Tesseract in Python on AWS.
 - **Code Generator:** Generating POJO's (Java Objects) from a Domain Model, to reduce errors during development, by a tool developed using Java and Swagger-Codegen.
 - **PDF Form Framework:** Improved POA/RAA (PDF form) processing speed, by filling them up automatically based on Client profile, using Java and PDFBox.
 - **Feature Usage Analytics:** Equipped Product Management to take Data driven decisions, by building a tool which analyzes the features and their usage with Apache Spark on Scala and D3
- **Spatial Science Institute - University of Southern California** Los Angeles, CA
Research Assistant September 2016 - June 2017
 - **CAD-SolidWorks-Addin:** Developed a plugin in C# to automatically infer geometrical relations in CAD, preventing ambiguous designs for robust interoperability.
- **SAP Labs - Successfactors** Bangalore, India
Senior Software Engineer April 2016 - July 2016
 - **Data Migrator:** Migrated customer's data to Hana from Oracle database by building a tool in Java.
 - **Data Validation Framework:** Ensured customer's data integrity after migration by developing a Java framework to run variety of tests on database objects.
- **SAP Labs - Successfactors** Bangalore, India
Software Engineer June 2012 - March 2016
 - **Query Optimization:** Improved performance of most frequent queries used to render homepage, in Hana.
 - **SQL Converter:** Reduced development time by enhancing an on-the-fly SQL converter in Java.
 - **UI Overhaul:** Increased user engagement by revamping the homepage, from a tabular to Tile based UI using an in-house Javascript framework
 - **REST API's:** Developed REST api's having business logic to render data in tiles on homepage using Java

PROJECTS

- **Recommendation Engine:** Developed a Collaborative Filtering Recommender from Scratch using Spark and Scala.
- **Fight Against Cancer:** Developed a number of visualizations to understand trends of different types of cancer over the last 20 years all over the world using D3, Node JS and Bootstrap.
- **Search Engine:** Developed a search engine with auto complete and query auto correction using SOLR and Node JS

HACKATHONS

- **Bot Framework:** Won First prize, for developing a chatbot, which could learn and perform actions from data in Help Documentation and API description using Node and Hana. (Patent Pending)
- **CODE K:** Won First prize, for reinventing the look of HR Applications focusing blue collared workers using Kinect SDK and Visual C#, by implementing Natural User Interface and Facial Recognition
- **MOOC Integration:** Integrated MOOCs like Coursera with Learning Management System. This feature was pushed into production within few months after partnering with them.