

ALLAMRAJU Aparajitha

PhD Candidate · LTRC, IIIT Hyderabad, India

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SUMMARY

Current 2nd year PhD fellow, working in NLP - Large Document Processing in the Judicial domain, has a decade of industry experience; with a passion for Mathematics and Languages.

EDUCATION

IIIT Hyderabad 2022 - Present

PhD Computational Linguistics *advised by Dr. Manish Shrivastava*

University of Southern California 2010 - 2012

MS Computer Science

University of Mumbai 2006 - 2010

BE Information Technology

University of Washington 2016 - 2017

Data Science, Professional and Continuing Education

RESEARCH EXPERIENCE

PhD Fellow, IIIT August 2022 - Present

- Document Understanding and Reasoning
- Processing of Indian Judicial Documents and Legal Text Generation
- Leading teams for funded projects on Table Question Answering and Automated Document Styling
- Application of LLMs in Text-Attributed Graphs
- Worked on Cross Lingual Question Answering

TEACHING EXPERIENCE

Course Instructor, IIIT

- Computer & Scripting I, Monsoon 2023
- Computer & Scripting II, Spring 2024

PRESENTATIONS & PUBLICATIONS

- Indian Judgement Citation Network and Precedent Prediction *19th International Conference on Artificial Intelligence and Law 2023 (Doctoral Consortium)*
- Case Precedent Retrieval and Generation: Towards Legal Text Generation Models (*Under Review*)

PROFESSIONAL EXPERIENCE

Independent Consultant May 2019 - June 2022

Advised and mentored short term projects with startups and small to mid size companies in

- Machine Learning
- Software Architecture and Design
- Natural Language Processing
- iOS Application Design and Development

System Software Engineer

Apple

April 2013 - July 2018

Cupertino, CA, USA

- Suggested and led machine learning efforts
- Led iOS projects and data analytics teams
- Developed scalable web and iOS applications
- Mentored junior engineers and interns

SQA Engineer

Symantec

July 2012 - March 2013

Culver City, CA, USA

- Responsible for design specification review and driving test design
- Developed applications to support quality assurance of Norton products

MATLAB Web GUI Intern

Mathworks

January 2012 - July 2012

Natick, MA, USA

- Responsible for end-to-end design, development and testing for some components for MATLAB on Web
- Mapped MATLAB functionalities from desktop client to the rich internet client

TECHNICAL SKILLS AND LANGUAGES

Programming Languages

Python, Swift, R, SQL, Java, C

Bilingual or Native Proficiency

English, Telugu, Hindi

Limited Proficiency

Tamil, Marathi, Sanskrit, Spanish, Japanese