

KAUSTUBH KUNDU

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Work Experience & Research Projects

Jan 2018 - Present: Project Research Assistant - IIT Bombay

- I am currently working as a Research assistant in IIT Bombay under Prof. Supratim Biswas, in the Dept. of Computer Science and Engineering, IIT Bombay.
- We have done research on the recruitment portals and we can conclude that they lack in data coherency and several other minor issues.
- In this project, we are building a recruitment portal for a consultancy company in which our target is to implement automatic extraction of information from unstructured text documents, use machine learning for validating semantics of extracted data. We are also focusing on constructing customised searching, matching and ranking algorithm at a greater aspect for producing accurate and precise results.
- My task is to create machine learning algorithms which would work on extraction algorithm for validating semantics of extracted data.
- Encoding and decoding data in database and also building searching, matching, ranking algorithm for the portal.
- Using Python, PHP, JavaScript, JQuery, HTML.

July 2017 - Dec 2017: Konceptogenagro

- I have also worked at Konceptogenagro.
- This was an agriculture based project in which the device when used in farm fields will provide the user with elaborate details about the soil for example moisture in soil, temperature in soil and so on.
- My task was to program microcontroller ESP8266 and also develop a mobile application which would remotely communicate with this microcontroller through Wifi.
- Used Lua programming language, Java and XML for building android application.

July 2015 - May 2016: Research Intern- IIT Bombay

- I had my first internship in IIT Bombay under Prof. Supratik Chakraborty in the Dept. of Computer Science and Engineering, IIT Bombay.
- In this project, I had to develop a web portal which would be used as a research paper repository for the researchers of CFDVS at IIT Bombay.

- The ideology was to make a portal which would store not only the documents but some additional tag names, author names etc. can be given which would be easier for the user to retrieve the document from the search menu.
- Used PHP, HTML and CSS.

Publications

- <http://www.ajer.org/papers/Vol-7-issue-3/ZE0703279287.pdf>

Skills

- Programming Languages: C, Python, C++, Matlab/Octave, Java, Lua
- Mobile Platforms: Android
- Web Technologies: HTML/CSS, JavaScript, Angularjs, JQuery, PHP
- Databases: Oracle, SQLite, MySQL
- Event Management: Worked in Mood Indigo (IIT Bombay) as a Security core group member.
- Can converse in - English, Hindi, Bengali

Educational Qualifications

2013-2017	B.E in IT , Mumbai University	7.07 CGPA
2013	12 th , Maharashtra Board, Pace Junior College, Mumbai	68.33 %
2011	10 th , CBSE Science, KV IIT Bombay, Mumbai	8.4 CGPA

Achievements

- Auditing an introductory course of machine learning in IIT Bombay.
 - Developed Mobile Application 'Rubrics' for the final year project.
 - Completed '**Artificial Intelligence**' Course by Columbia state university at edxonilne.org.
 - Completed '**Vision Intelligence and Machine Learning**' Course by Penn State University at edxonilne.org.
 - Completed '**Machine learning**' Course by Stanford University at coursera.org.
 - Completed '**Introduction to recommender system**' Course by University of Minnesota at coursera.org.
 - Completed '**Machine learning A-Z on python**' Course at Udemy.com.
 - Completed '**Complete Android developer**' Course at Udemy.com.
 - Music Internship at Songdew.org.
 - Placement Coordinator in College.
 - Went to regional in group singing competition.
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Extra-Curricular Activities/ Hobbies

- Composing, singing and playing Guitar, Keyboard, Harmonium.
- Reading Mystery Novels.
- Sketching and drawing.

Declaration

I, Kaustubh Kundu hereby declare that the above information provided is true and to the best of my knowledge.