

Nitish Kumar Singh

COMPUTER SCIENCE ENGINEER · DATA SCIENTIST

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"A driven, open minded, creative and hard working with a strong sense of dedication and commitment."

Objective

Specializing in Data Analysis, Machine Learning and Deep Learning. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises. Creative and people-oriented Computer Scientist with extensive project management experience.

Experience

MAQ Softwares

SOFTWARE INTERN

Hyderabad

Jan. 2020 - June. 2020

- Working with technologies like Azure, Power BI and various Data Solution tools.
- Also worked on various tools like SSMS, SSIS, SSAS etc.

IIT Kharagpur

DATA SCIENTIST

IIT Kharagpur

May. 2019 - June. 2019

- Applied various machine learning and deeplearning methods and models to extract meaningful relations from medical texts.
- Also worked with various tools like Semrep, UMLS, MeSH, MetaMap.

J-Wire

WEB DEVELOPER

Work from Home

Aug. 2018 - Oct. 2018

- Python and Django Based Web Application Developer.
- Implemented WebScraping for fetching market details and used python for preprocessing the fetched data and then display.
- Implemented AWS python API for fetching Amazon market details and used it for trend analysis of products.

Honors & Awards

Smart India Hackathon 2019

WINNER

INDIA

3rd March 2019

- Won first prize in "Complex Problem Statement" category
- Problem Statement: Keywords based exploration of library resources.
- Implemented Machine Learning, NLP, Python, Django, Web Based Interface.

Skills

- Data Science:** Machine Learning, Deep Learning, Image Processing, Data Analysis & Data Visualization
- Modules or Libraries :** OpenCV, Tensorflow, Keras, Scikit-Learn, Pandas, Numpy, NLTK, Gensim
- Web Development:** Django, Php, JavaScript, Ajax, HTML, CSS, Bootstrap4
- Programming Languages:** Python, C++, C
- Others:** Azure, BlockChain, Linux, Arduino and Raspberry pi, Database, Data Structure and Algorithms

Projects

Leaf Vein Structure extraction and classification

IMAGE PROCESSING, MACHINE LEARNING AND DEEPLARNING

IIIT Kalyani

July 2019

- Used OpenCV for image processing in python.
- Applied various ImageProcessing and DeepLearning methods and models to extract and classify the leaves.

Medical relation extraction from Clinical Texts

MACHINE LEARNING, DEEPLARNING AND NLP

IIT Kharagpur

May 2019

- Worked with various tools such as Semrep, UMLS, Metamap, MeSH to extract relationship from medical texts.
- Applied various NLP and DeepLearning methods and models to improve the tools performance for our purpose.

Keyword based exploration of library resources

Smart India Hackathon

MACHINE LEARNING, DEEPLARNING AND NLP

March 2019

- Map the most relevant (accurate) journals/e-books with given medical based keywords.
- UI and Web interface is made in Django.
- Machine Learning and NLP implemented in python.

Stylistic Authorship attribution

IIIT Kalyani

MACHINE LEARNING AND NLP

Feb. 2019

- Identification of age and gender based on the author's writing.
- Implemented ML and NLP in python.

Player Recommender System

IIIT Kalyani

DATA SCIENTIST

Feb. 2019

- A Cricket Analytics based recommender system for Player Selection in Playing 11.

IIIT Kalyani official website

IIIT Kalyani

WEB DEVELOPER AND DESIGNER

Aug. 2017

- A website developed for college(IIIT Kalyani)
- Contribution as Team Leader and Lead Developer

Education

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

Kalyani, West Bengal, India

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2016 - 2020

- Secured 8.3 CGPA upto 6th Semester.

RAJENDRA COLLEGE

Chapra, Bihar, India

INTERMEDIATE (12TH) IN SCIENCE

2013 - 2015

- Secured 79.2% .

ACHARYA NARENDRA DEV PUBLIC SCHOOL

Chapra, Bihar, India

MATRICULATION (10TH)

2012-2013

- Secured 10 CGPA .

JEE MAIN

JOINT ENTRANCE EXAMINATION

- Secured AIR-25441

Extracurricular Activity

Web Development Team

IIIT Kalyani

MENTOR & TEAM LEADER OF CORE TEAM

Jan. 2017 - Dec. 2018

- Renovate the complete website for better performance and better user experience.
- Lead the team of 9 members and delivered the project in due time.

Developer's Seminar

IIIT Kalyani

LEAD SPEAKER

8 Oct. 2018

- A Seminar for IIIT Kalyani Students to help them to explore more in development field
- Presentation for Open Source projects and Contributions
- Presentation on Github, Gitlab and other online collaboration Platforms.

Web Knitting (Seminar)

IIIT Kalyani

LEAD SPEAKER

27 Aug. 2018

- A Seminar for IIIT Kalyani Students to help them to explore more in Web development field
- Topics included Front-end, Back-end and Server side processing.Also included presentation on Github, Stackoverflow, Codepen and other online collaboration Platforms.