

Akash Mondal

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EDUCATION

- **Indian Institute of Technology, Kharagpur** Kharagpur, WB
Bachelor in Technology in Civil Engineering; July 2016 – Present
- **Jawahar Navodaya Vidyalaya, Jamtara** Jamtara, Jharkhand
Intermediate of Science; Aug. 2013 – Apr. 2015

EXPERIENCE

- **CodeFire Technologies** Noida, Delhi
ML/AI Intern Summer 2018
 - **Factoid Q/A System:** Build an IR-based factoid question-answering system using NLP, deep learning from scratch, capable of answering queries related to school admission.
 - **FRT Prediction:** Predicted FRT Rate using DNN and supervised Machine Learning models using a limiting dataset contains historical transportation data and also analyzed the seasonal effect on the same.
 - **Webp:** Developed a tool to extract less structured web content like Headline, Author Name, Published date, Story, of news articles, that appear only once in the noisy webpages
- **Waiting Time Estimation** Kolkata
Mentor: prof. Bhargab Maitra Winter 2017
 - **Toolkit:** Developed a toolkit in MATLAB to investigate the operational viability of private buses taking an existing route in Kolkata. Used Johnson-curve-distribution to find the passenger waiting time distribution from available past passenger arrivals(scheduled/random) distribution data.
- **OYO Rooms**
Campus Cadet October 1st, 2018- Present

SELECTED PROJECTS

- **Car-Recognition Using CNN:** A simple convolutional neural network for car recognizer using keras library that achieves over 97% accuracy. Developed a keras and deep learning REST API using the saved trained model.
- **News Classifier:** A news classifier using DNN and NLTK that classifies a given news headline to one of the many labels, trained on a dataset containing various Indian news headlines, collected by scraping major Indian English news website using the open source library, newspaper

SKILLS

- **General:** Machine Learning, Deep Learning, Scalable Databases, Web Development
- **Languages:** Python, C++, C, SQL, PHP, HTML, VBA
- **Platforms/Tools:** GIT, MATLAB, GNU Octave, Linux, Windows

RELEVANT COURSES

- **Data Structures and Algorithms** Machine Learning
- **Probability and statistics** Databases

ACHIEVEMENT/COMPETITION

- **Competitive Programming:** Global Rank-12 and India Rank-9(2nd in collage) in ACM-ICPC Asia Kolkata-Kanpur Onsite Replay Contest 2017 Competition at www.codechef.com. Team name: kgp16ce. Competition Link: <https://www.codechef.com/rankings/KOL17ROL>
- **Microsoft code.fun.do 2018:** Developed a simple expense and income manager using PHP backed server and MySQL as the backend database, where any individual can keep track of their expense and income using user-authentication features(login, logout, and register) Link: <https://codefundoiit.000webhostapp.com/>
- **Subject coordinator:** I have been allotted Basic EC subject coordinator and entrusted with the responsibility of guiding students with course material problems for better understanding of the subject, conducting various tests, helping them in group projects and taking attendance.