

Prakhar Choudhary

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EDUCATION

JSS ACADEMY OF TECHNICAL EDUCATION

B.TECH IN INFORMATION TECHNOLOGY

Expected May 2019 | Noida, India
Aggregate %: 72

UDACITY

MACHINE LEARNING NANODEGREE

Grad. August, 2017 | Online
Finished 6 projects covering major sub domains of Machine Learning including Supervised Learning, Unsupervised Learning, Reinforcement Learning and Deep Learning.

SHIRDI SAI PUBLIC SCHOOL

(Intermediate 10 + 2)

Grad. May 2015 | Moradabad, India
Aggregate %: 86.4

SHIRDI SAI PUBLIC SCHOOL

(Highschool)

Grad. May 2013 | Moradabad, India
Cum. GPA: 10.0

COURSEWORK

UNDERGRADUATE

Information Retrieval
Operating Systems
Artificial Intelligence + Practicum
Object Oriented Programming
Database Management Systems
Computer Networking

SKILLS

PROGRAMMING

Python • C • C++ • HTML • CSS •
MySQL • Shell • JavaScript
• Octave • \LaTeX

Frameworks and Libraries:

Flask • Django • Numpy • Pandas
• OpenCV • Tensorflow + Keras •
Scikit-learn

ACHIEVEMENTS

• Completed 100+ problems on codechef and hackerrank • Obtained rank 72 out of 1369 participants in ML challenge #2 on hackerearth • Organised workshops on C and web technologies

EXPERIENCE

TEKNUANCE INFO SOLUTIONS | RESEARCH ANALYST

Nov 2017 – Jan 2018 | Remote

- Involved work in graphical data representation, time series analysis and Hierarchical Temporal Memory Models.

IAUGMENTOR LABS | BACKEND DEVELOPMENT INTERN

June 2017 – August 2017 | Gurugram, Haryana, India

- Developed a reporting/management engine to be used by the company's B2B customers for monitoring the progress of their employees.
- Developed a scoring method to rate users answers on parameters like confidence, accuracy etc. using speech recognition and Natural Language Processing.

QUES10 | PYTHON-DJANGO DEVELOPMENT INTERN

June 2017 – July 2017 | Remote

- Added new JS-based features to a live project, with traffic of 100,000+ users.
- Developed a recommendation engine, to suggest similar questions on the basis of recent posts.
- Worked briefly on a way to avoid duplication of questions, using Machine Learning and NLP.

PROJECTS

STOCK PREDICTION USING TWITTER SENTIMENT ANALYSIS

- It uses supervised learning to predict the next day's DJIA closing price status.
- The model is trained upon six month worth of 350,000+ tweets scraped manually using a self-built data pipeline(link).
- The model gave a prediction accuracy of about 70%.

SCRUM

- The project allows individuals/groups to list their tasks in a scrum like order, monitor and update their progress, thereby making the development procedure efficient and trackable.
- Developed using Django Rest Framework and Backbone.js

NEWS BIAS DETECTION

- An attempt to build an automated tool that can score posts and articles on basis of their objectivity and inform readers beforehand as to how biased it is.
- This can further serve as a benchmark for ensuring fair and factual journalism.

IMAGE PROCESSING

- Use webcam to stream in live video feed, take snapshots and record videos.
- Allows usage of depth camera.
- Apply filters and image manipulation to give beautiful effects on live video stream.
- Swap faces in real time.