

Akshita Gupta

ARTIFICIAL INTELLIGENCE PROGRAMMER

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Education

Dehradun Institute of Technology

Dehradun, India

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING, GPA : 3.08/4.00

Aug. 2014 - Aug. 2018

- **Relevant Coursework:** Computer Architecture, Operating System, Algorithms & Data Structure, Data Mining, Digital Image Processing

Research Experience

Undergraduate Visiting Researcher

Roorkee, India

INDIAN INSTITUTE OF TECHNOLOGY, NOISE CONTRASTIVE ESTIMATION

Jan. 2018-present

- **Guide :** Dr.R. Balasubramanian
- Implementation of NCE to increase the correlation between the normalized & unnormalized data, experiment with other ANN's.

Machine Learning Intern

Roorkee, India

INDIAN INSTITUTE OF TECHNOLOGY, ACOUSTIC MODELLING

May. 2017 - Aug. 2017

- **Guide :** Dr.R. Balasubramanian
- Audio scene classification using complementary features for predictions.
- Early fusion, late fusion, weight sharing, and 2D convolutions were tried for the joint processing of multiple consecutive Audio frames and segmented chunks.

Technical Skills

Developer Tools: Heroku, Colfax Cluster, Latex, Photoshop, Docker, Flask

Computing: C, C++, Python, SQL, Shell Script, Oracle, Java, Git, Keras, Tensorflow

Web Technologies: Bootstrap, HTML5, JQuery, PHP, CodeIgniter, Ajax, Pelican, Servlet, Jsp

Projects and Research

Deep Fusion Architecture in Audio Classification

Roorkee, India

TEAM MEMBER

Jan. 2018

- Hybrid shared weight Architecture, combined with complementary features to improve Audio Scene Classification and Tagging.

Deep Neural Network for Portfolio Optimization

Roorkee, India

TEAM MEMBER

Jan. 2018 - March. 2018

- An Neural Network approach for predicting the stock market prices & optimize the portfolio according to the market.

ChannelCS, dit.channelcs.com

Dehradun, India

BACKEND DEVELOPER & FOUNDER

May. 2017 - Sep. 2017

- Software as a Service
- Web Application for students to help them with Resume, portfolio, Notification, Company Registration, Internship Letters.

Logan, Speaker Dialization

Dehradun, India

DEVELOPER

May 2017

- A initiative to replicate Jarvis with speaker and speech recognition using unsupervised algorithms and worked up to 3 speakers

Achievements

2018 **Qualified**, Start Hack 2018, Hackathon Organized by St. Gallen University

Switzerland, Europe

2017 **Qualified, Rank:150**, Cognizant Mastercode Hackathon

Online

2017 **Qualified**, Morgan Stanley(first round : HackerRank)

Online

Open Source Contribution

2018 **Contributor**, Fossasia : <https://fossasia.org>

Singapore

2018 **Developer**, Channelcs : channelcs.github.io

Roorkee

2017 **Developer**, Interns-deeplearn : <http://deeplearn-ai.com>

Roorkee