

AYUSH GARG

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Education

University of Delhi, Netaji Subhas Institute of Technology

Aug 2013 – May 2017

➤ *Bachelor of Engineering (Hons.) in Computer Engineering* CGPA: 8.67/10

Positions of Responsibility: Head of Computer Society of India – NSIT Chapter | Convener of Techelon Tech Fest 2016 | Senior Web Developer of CollegeSpace

Work Experience

Software Development Engineer II - Amazon, Hyderabad

April 2019 – Present

- Leading the team to develop next-generation tax compliance and monitoring platform to boost seller growth and help unlock multi-billion dollars in sales in EU28
- Delivered a tax platform for sellers that boosts cross-country sales and enables the sellers to be compliant in EU7 countries

Software Development Engineer I - Amazon, Hyderabad

June 2017 – Present

- Migrated VAT Report from Oracle to internal big data platform, consisting of 150MM transactions per month and serving 300k+ sellers.
- Designed and delivered solution to handle a new German Legislation within 3 months from the date of announcement, unblocking net sales of \$3 bn for sellers.

Software Development Intern - Amazon, Hyderabad

May 2016 – July 2016

- Developed an anonymous communication system with encrypted storage to enable secure two-party communication
- Earned the Spot Award for demonstrating ownership and best design practices amongst all interns

Publications

Understanding Metaphors Using Emotions [\[link\]](#)

Aug 2018

➤ *Springer Journal: New Generation Computing*

A novel approach to use emotions for a multi-sense interpretation of metaphors that performs better than single emotion-less interpretation

Effect of Classifiers on Type-III Metaphor Detection [\[link\]](#)

Mar 2018

➤ *Springer Conference: TEAMC 2018, India*

A comparative study of NN and traditional classifiers for metaphor detection showing traditional classifiers performing at par with NN for some datasets

Ant Colony Based Fuzzy C-Means Clustering for Very Large Data [\[link\]](#)

Sept 2017

➤ *Springer Conference: EUSFLAT 2017, Poland*

Optimized FCM using Ant Colony techniques and multi-round sampling to cluster large datasets. Presented the paper in Poland.

Projects

An LSTM-Based EU Commodity Code Imputation Model

May 2019

- Developed a supervised learning model that uses product title and details to get features using LSTM and one-hot encoding. Won 1st position in over 400 participants in Amazon India Hackathon 2019.

AI Solver for 2048 [\[link\]](#)

Nov 2016

- An AI program using expectimax optimization and heuristics allowing a search of 10 million moves per sec

Multi-platform Web Chat Server – NSITMUN '16 [\[link\]](#)

April 2016

- Solved the problem of traditional chit-passing practice in MUNs with a real-time, multi-platform web app developed in Meteor JS. Was well-received by over 200 delegates who participated in NSIT MUN 2016.

iConnect – Crime Reporting App [\[link\]](#)

Mar 2016

- Real-time, interactive web & mobile app for quickly reporting a crime in the vicinity with Pinning on Google Maps and Live Emergency Broadcast. Developed using Meteor JS with Mongo DB. Won 2nd prize in NSIT Code-For-Cause Hackathon.

Honors and Achievements

- Awarded **Scholarship for Academic Excellence in all four years** of the undergraduate degree (University of Delhi)
- Secured under 100 rank in **ACM ICPC India Regionals 2014 and 2015**
- Won **1st position** in various Programming Contest including Esya 2015, IIIT Delhi and Techelon 2015, NSIT Delhi
- Awarded **KVPY Scholarship** (top 200 out of 100k+ students) in 2012 for excellence in Mathematics and Science by the **Govt. of India**

Technical Skills

- **Programming Languages:** Java, Python, R, C/C++, Ruby, HTML, CSS, NodeJS, JSP, jQuery, MySQL

- **Certifications:** Machine Learning - Stanford University, Data Science in Python – University of Michigan, IEEE Machine Learning in Biometrics Winter School - 2017