

AYUSH GARG

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ACADEMICS

Bachelor's of Computer Engineering, Netaji Subhas Institute of Technology, Delhi, India

CGPA: 8.6/10

2017

Recipient of Merit Scholarship for Academic Excellence in all 4 years of the undergraduate education

PROFESSIONAL EXPERIENCE

Amazon India Pvt Ltd

Software Development Engineer II

Hyderabad, India – Apr'19 to Present

- **Project Leader:** Spearheading a team of 6 full-stack engineers to deliver the next-generation platform for tax providers and make Amazon the largest tax filer in Europe, by handling a scale of 250k Sellers and unblocking over \$5 billion sales.
- **Knowledge forums:** Organized Friday Learning Series for 3 months in the team, started an initiative called Tip of the Day to share everyday innovation tips in the organization with a cadence of 2 per week, and organized hackathon with over 150 participants.
- **Mentorship:** Coached 4 junior engineers and successfully helped them for promotion to the next level, revised the new hire guide to include 1-click workspace setup instructions, and reduced new-hire onboarding time from 2 weeks to 1 week.
- **Raising the bar in hiring:** With an experience of 200+ interviews, conducted functional training to streamline interview processes that resulted in improvement of NPS for candidate experience from -10 to +27, reduction in time commitment of all interviewers by 20 hours per hiring drive, and increase in the hire call conversion rate by 35%.

Software Development Engineer I

Hyderabad, India – Jun'17 to Mar'19

- **Delivering Results:** Conceptualized solutions for critical compliance projects in Germany by collaborating with a team in Seattle and working off-site, thereby, managing an estimated reduction of development efforts from 35 to 20 weeks. Then headed a team of 3 to deliver the solutions that have helped 200k customers become tax compliant, thereby de-risking \$3 billion worth of sales on Amazon.
- **Operational Excellence:** Optimized the operational pipelines to reduce manual efforts of engineers by 8 hours per week, set up the operational runbook containing SOPs to bring down the time to resolution of recurring issues by 20%, and proactively decreased open issues by 160 in 2018, earning the Pathfinder award in All-Hands meeting.

Software Development Engineer Intern

Hyderabad, India – May'16 to Jul'16

- **Learning & Development:** Developed an anonymous communication system with encrypted storage to enable secure two-party communication. Interacted independently with a team in Seattle to deliver the project within a tight timeline of 6 weeks.
- **Ownership:** Demonstrated ownership and best design practices through independent deep dive and extensive documentation of the internship experience. Earned the Spot Award at the director level, first time given to an intern.

PUBLICATIONS

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

Springer Journal: New Generation Computing 2018

Secured publication in a renowned international journal for a novel approach to use emotions for understanding metaphors.

Worked in a collaborative environment directly with the HODs of Computer Science departments of two top-tier engineering institutions of India.

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

Springer Conference: TEAMC 2018

A comparative analysis of state-of-the-art metaphor detection techniques that challenges the popular belief of neural networks being better for all use cases. Received the best paper award in the category of industry participants.

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

Springer Conference: EUSFLAT 2017, Poland

Being the author of the only paper accepted from India, received a scholarship and fully sponsored trip from the conference organization for flying to Poland and presenting the paper with 150+ researchers in attendance.

ACTIVITIES

- Volunteered as Tech Lead with **Covid India Org**, an initiative that has attracted 1000+ volunteers, raised 9 million INR for charity and has registered 1.7 million users to date. Led the team for developing data pipelines of active cases, testing, and hospitals at the state and district level. Developed the largest self-reporting survey in the world with 150k unique responses.
- Volunteered in Partnership and Sponsorship Team of **Walk for Water**, a social cause to raise awareness about water shortage, to get maximum participation and associations in the event. The event was held at India Gate, New Delhi in March 2017 with massive participation of 4000 volunteers and chief guests from the Union Council of Ministers in attendance.
- Being an avid programmer, won **1st position** in various programming contests. For two consecutive years, cleared online preliminary rounds of the prestigious **ACM ICPC** contest to reach the on-site regionals and then secured ranks below 100.
- As the **Head of Computer Society** in college, organized the Tech Fest of 2015 and 2016, interest groups on programming for 200 members, tech talks by renowned panelists and multi-disciplinary technical competitions with cash prizes worth up to 50k INR.
- As **Technological Head** of Debating Society of NSIT, led a team of 4 to develop a first-of-its-kind chat platform for MUN conference used by over 200 participants.
- Having secured the first position in 11th Standard, was awarded the coveted **KVPY Scholarship** (top 200 out of 100k+ students) in 2012 for excellence in Mathematics and Science by the **Govt. of India**.
- As the captain of the middle school football team and later in the high school basketball team, participated in regional inter-school competitions.
- Formed a band in high school as the lead guitarist and vocalist. Participated in school cultural events and competitions, winning various prizes for solo and group performances.
- **Certifications:** Machine Learning - Stanford University, Data Science in Python – University of Michigan, IEEE Machine Learning in Biometrics Winter School 2017.