

AKSHAT RANA

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[LINKEDIN](#) | [GITHUB](#) | [WEBSITE](#)

Education

- Bachelor of Technology (B.Tech.) in Computer Science and Engineering
Amity University, Noida, CGPA: **8.69 (6thsem)** Jul 2019 - Present
- AISSE (12th)
Delhi Public School Ghaziabad Vasundhara, Aggregate: **93.85%** Apr 2018 - May 2019
- AISSE (10th)
Delhi Public School Ghaziabad Vasundhara, CGPA: **10.0** (scale 10.0) Apr 2016 - May 2017

Work Experience

ML Engineer Intern | [DataOrb](#) Jun 2022 - Sep 2022

- Engineered the automated NLP system with **98.5%** accuracy for language detection
- Optimized the grammar error detection for the false positive of **1800k** entries
- Enhanced the Named Entity Recognition system with an accuracy of **98.2%**
- Conceptualized and visualized **1500-word associations** using **word embedding** and **clustering**

Co-Founder | [EquiCode](#) Dec 2020 - Dec 2021

- Expanded and strengthened an equitable tech community of **500+** folks
- Collaborated with **20+ industry experts** and **inter-communities** to reach a broadened audience

Community Events Associate | [Zubi](#) Oct 2020 - Dec 2020

- Accelerated and educated the technical community by **20%** upfront audience
- Managed **10+ workshops** and an emerging hackathon leading to the participation of **800+** people

Skills

Technical: Python, Java, C, Python, HTML, CSS, JavaScript (Basic), Git, MySQL, Microsoft Excel, Microsoft Power BI, NumPy, Pandas, Matplotlib, Seaborn, OOP, Data Science pipeline, PostgreSQL

Additional: Adobe Premiere Pro, Adobe XD, Analytics, Community Development, Teamwork, Leadership

Projects

Refurbished Ecommerce App Aug 2022 - Present

Python and Kotlin (team size - 2)

- Devised an ecommerce app to buy and sell college books easily using machine learning
- Analyzed and effectively strategized regarding the objective, deadlines, schedule, resource and team coordination
- Collected and organized datasets with 1 million entries for product recommendation and image processing.

Social Distancing and Mask Detection | [GitHub Link](#) May 2021 - Jun 2021

Python

- Engineered a social distancing and face mask detection using **Keras, TensorFlow, MobileNet and OpenCV**
- The executed model predicts with **~99%** accuracy with **real-time alerts** on video input

Co-Curricular Activities

- Volunteered to teach class 5th class unprivileged students at [Kind Beings](#) (Jan 2022 - Mar 2022)
- Co-led the organizing team of [Lets Hack 2020](#), a **36-hour virtual hackathon** for the **Gen-Z leaders**
- Led the Sponsorship Team for [Ami-hacks 2021](#), Amity University's virtual hackathon.
- Organized [SheTech Student Virtual Conference, 2021](#) with the [C# Corner community](#) with **200+** attendees

Achievements

- Second Runner-up in Inter Amity Institutions Sports Meet – Hockey, Amity University Sep 2022 - Oct 2022
- Qualified [GATE 2022](#) Feb 2022 - Feb 2025
- Ranked amongst the **Top 10%** and received a **50% Academic scholarship**, Amity University Jul 2021 – Jul 2023
- Ranked amongst the **Top 5%** and received a **100% Academic scholarship**, Amity University Jul 2019 - Jul 2021