

Rajat Mittal

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EDUCATION

Degree/Certificate	Institute/University	CGPA/Percentage	Year
M.Tech.(CSE)	Indian Institute of Technology (IIT), Jammu	8.67	2020-2023
B.Tech.(CSE)	University of Allahabad, Prayagraj	74.47%	2016-2020
Senior Secondary	Bhartiya Sr Sec School, Sikar	94.60%	2015
Secondary	Bhartiya Sr Sec School, Sikar	92.50%	2013

EXPERIENCE

- Precisely Software & Data Ltd** Aug 2023 – Present
Engineer Noida, IN
 - Developing automated processes for deduplicating geo-addresses across multiple countries using Python.
 - Establishing data pipelines for all countries to deploy the current system, including quality assurance.
- Amazon Development Center** Feb 2023 – Jul 2023
SDE Intern Bengaluru, IN
 - Worked on deals sourcing and ranking models for Amazon’s Deals of the Day & Lightning Deals events.
 - Boosted performance by **24%** for 1.3M products using embedding-based enhancements in the system.
- Zomato Limited** Aug 2022 – Nov 2022
SDE Intern Gurgaon, IN
 - Leveraged reinforcement learning to deliver personalized food/grocery ordering recommendations.
 - Managed a user base of over **50** million, facilitating recommendation delivery through robust system design.
- Baker Hughes, a GE Company** Dec 2021 – Feb 2022
SDE Intern Bengaluru, IN
 - Developed a backend-driven web app employing ML for department complaints classification by **91%**.
 - Implemented SQL-based data extraction in the backend to accurately classify department issues.
- Ericsson Global (R&D) GAIA** Jul 2021 – Dec 2021
Tech Intern Bengaluru, IN
 - Played a vital role in developing an automation tool to identify faults and errors in cell towers.
 - Achieved a time and resource savings of up to **200x** through the implementation of this system.

PROJECTS

- Temporal Action Localization in Untrimmed Videos** *Asst. Prof. Badri Subudhi, IIT Jammu*
Python, PyTorch, Computer Vision, Object Detection, Transformers
 - Developed a simpler encoder-decoder-based model for temporal action localization in untrimmed videos.
 - Implemented a temporal averager for action localization (TAAL) module, effectively extracting informative features from nearby clip embeddings and outperforming current state-of-the-art methods on benchmarked datasets.
- Mocking Bot - Audio Mimicry System** *E-Yantra, IIT Bombay*
NodeJS, MongoDB, ReactJS, Python, ML, Sklearn, NumPy, Pandas [Link 1](#) | [2](#)
 - Developed a prediction tool of audio notes and instruments from a provided audio input file.
 - Expanded the tool into a robotic hardware system that emulates the audio generated by the classifiers’ outcomes.

TECHNICAL SKILLS

- Programming & Query Languages:** C, C++, Javascript, Python, HTML, CSS, SQL, PySpark
- Tools & OS:** Git, Jupyter, AWS EC2, S3, Jenkins, GCP, Linux, Windows, L^AT_EX
- Libraries/Frameworks:** NodeJS, ReactJS, MongoDB, JQuery, scikit-learn, pandas, numpy
- Miscellaneous:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Databases

POSITIONS OF RESPONSIBILITY

- Research Assistant:** Central Computing and Communication Infrastructure, IIT Jammu 2020 - 2023
- Training & Placement Representative:** Career & Development Services, IIT Jammu 2021 - 2023
- Coding Club:** Founding member of Coding Club, Codician in CSE Department (UG) 2018 - 2020

ACHIEVEMENTS

- **1500+** Problems solved on different coding platforms like [Leetcode](#), [HackerEarth](#), [GFG](#), [Codechef](#) etc.
- Achieved the highest academic performance in M.Tech. Computer Technology at IIT Jammu.
- Scored **100%** in PCM (Physics, Chemistry, Maths) in Senior School board examinations.