

Aryan Seth

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EDUCATION

- **Birla Institute of Technology and Science, Pilani** Pilani, India
Bachelor of Technology - Computer Science; GPA: 8.88/10 (Top 5%) October 2021 - Present
Foundations of Data Science, Deep Learning, Data Structures and Algorithms, Database Systems, Theory of Computation, Computer Architecture, Programming Language Principles, Generative AI

EXPERIENCE

- **Foundational Models Team, Sarvam AI** Bangalore, India
AI Intern Jan 2025 - Present
 - Built translation pipelines processing **300k+** samples for English to 10 Indic languages
 - Created a function-calling dataset using **8000+** real-world APIs and trained with RLVR for a custom model
 - Currently working on guardrailing a 70B model and post-training for Indic math reasoning
- **Vollmer Group, DFKI** Kaiserslautern, Germany
Visiting Researcher Aug 2024 - Dec 2024
 - Conducted research on building a graphical criterion for regret-free auxiliary experiments for Structural Causal Bandits
 - Extended Collaborative Bandits to Non-Markovian Graphs and integrated node discovery improving accuracy by **10%**
 - Led winning **\$2M** AINof1 grant proposal, building technical components and execution roadmap for AI in healthcare
- **Boston Consulting Group** Mumbai, India
Summer Associate May 2024 - Jul 2024
 - Consulted one of India's largest infra companies on a **\$300M** airport bid and a 10 year strategic expansion plan
 - Built models analyzing alternative asset classes for Commercial Property Development driving **50%** of projected revenue
 - Led partner risk assessment and negotiated a **20,000 USD** contract, liaising between client and risk assessors
- **VoiceQube Technologies** Remote
Software Development Engineer Intern May 2023 - Jul 2023
 - Built the code base, CI/CD pipelines, and did Data Mining for user-defined MFT trading using DhanAPI and GitLab
 - Created an automated data pre-processing pipeline integrating the YFin API and optimizing SQL queries
 - Sped up hyperparameter optimizing pipelines by **25%** using key feature checks and Bayesian Search using Optuna

PUBLICATIONS

* denotes equal contribution

- **Aryan Seth***, **SSA Rizvi*** and **Pratik Narang** (2024). "FAIR-FER: A Latent Alignment Approach for Mitigating Bias in FER (Student Abstract)". In: **AAAI Conference on Artificial Intelligence** Link to paper
- **SSA Rizvi***, **Aryan Seth*** and **Pratik Narang** (2024). "Balancing the Scales: Enhancing Fairness in FER with Latent Alignment". In: **International Conference on Pattern Recognition (Core B)** Link to paper
- **SSA Rizvi***, **Aryan Seth***, **JS Challa** and **Pratik Narang** (2024). "InFER++: Real-World Indian Facial Expression Dataset". In: **IEEE Open Journal of the Computer Society (IF: 5.7)** Link to paper
- **Aryan Seth**, **Vishnu Hari** (2024). "SynthShield: Leveraging Synthetic Distributions to Enhance Privacy Against Membership Inference". Under Review at **Synthetic Data Workshop, ICLR-25**
- **Utkarsh Tiwari***, **Aryan Seth***, **Adi Mukherjee**, **Kaavya Mer**, **Kavish**, **Dhruv Kumar** (2025). "DebateBench: A Challenging Long Context Reasoning Benchmark For Large Language Models". In **Student Research Workshop - NAACL-25** Link to paper
- **SSA Rizvi***, **Soham Kumar***, **Aryan Seth***, **Pratik Narang**. "AffectSRNet : Facial Emotion-Aware Super-Resolution Network". Under review at **Cognitive Computation Journal**
- **Aryan Seth**, **Sumantrak Mukherjee**, **Sebastian Vollmer** (2025). "Structural Causal Bandits with Auxiliary Experiments". Under review at **ICML-25**

POSITIONS OF RESPONSIBILITY

- **Vice Chairperson - IEEE Student Chapter**
 - Oversaw a 50+ team with 3 research and 2 development divisions resulting in 4 A* publications and 5 government grants
 - Developed BITS's first club-corporate partnership with Oracle RnD resulting in 3,000+ USD in compute and mentorship
 - Raised 3500 USD and hosted the first IEEE India leg of Micromouse with 200+ participants and 4500 USD revenue

HONORS AND AWARDS

- Teaching Assistant for Deep Learning (2x), responsible for grading and teaching labs 'Jan 2024, 'Aug 2024
- **1/21** Funded to attend **AAAI-25 Undergraduate Consortium** to give a talk on Machine Unlearning 'November 2025
- Rank **3/10,000** in India at **Eightfold AI Hackathon** for building an AI HR screener 'September 2024
- **Only** undergraduate selected for the **Lisbon ML Summer School** in a cohort of 80 PhDs 'August 2023
- **10/2000** won accelerator grant by **IIE InvEnt Scholars Program** for a CSR-enabling product 'July 2023