

# Ronit Kumar, B.Sc.

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🌐 Ronit-Kumar



## Education

- 2020 – Present    **B.Sc. Computer Science, Habib University**  
CGPA: 3.58/4.00  
Thesis Title: *LipSync Voice for Aphonia Patients*
- 2018–2020    **Cambridge General Certificate of Education Advanced level (AL), Cedar College Karachi**  
in Computer Science  
Grade: A,
- 2015 – 2018    **Cambridge General Certificate of Education Ordinary Level (OL) , Sargodhian Spirit Public School Rashidabad** in Computer Science  
Grade: A, awarded with best student overall

## Work Experience

- Aug 2023 – Present    **Teaching Assistant for Data Science Course** at Habib University **Karachi, PK**  
Provided support to the instructor by conducting weekly hours, tutoring sessions and designing and grading reading assignments.
- June 2023 – September 2023    **Data Science Intern** at AIFACTOR.CA **Karachi, PK**  
Integrated OPC DA server to improve data connectivity, developed a telegraf plugin for efficient data creation and automation, built machine learning models for CO<sub>2</sub> emissions prediction, and performed data analysis and cleansing for exploratory data analysis (EDA).
- Jan 2023 – May 2023    **Teaching Assistant for Software Engineering Course** at Habib University **Karachi, PK**  
Provided support to the instructor by conducting weekly recitations and tutoring students in office hours on Scrum and Agile practices
- Aug 2021 – December 2021    **Teaching Assistant for Programming Fundamental Course** at Habib University **Karachi, PK**  
Provided support to the instructor by conducting weekly hours, tutoring sessions and assisted students during their Lab-timings

## Awards and Achievements

- 2023    **Winner of Best Summer Project Award by Carrer Curation Program**, at Habib University  
**Secured Third Position in ACM Data Science Competition**, at Fast University  
**Secured Third Position in ICPC Global Programming Contest Qualifying Round 2022**, 13th all over Pakistan  
**Secured 2nd Runner's up in Hackathon**, organized by SastaTickets.pk
- 2022    **Runner-up in Speed Debugging Competition by Brain.hack()**, at Habib University  
**Runner-up in Speed Programming Competition by IEEE 2022** at NED University

## Projects

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- 🔖 **LipSync Voice for Aphonia Patients in Urdu**
- 🔖 **Human vs AI ludo using Temporal Difference and Reinforcement Learning**
- 🔖 **JetLagEase: YOLO-based AI for personalized fatigue assessment and travel advice**
- 🔖 **Movie Recommendation system using Cartesian Trees**
- 🔖 **Forced Conversion in Sindh sentiment analysis using NLP**
- 🔖 **Real-time Motion-Control-Ping-Pong-Game-on-FPGA-Verilog**
- 🔖 **Carpool Application using Flutter**

## Skills

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Languages	🔖 Strong reading, writing and speaking competencies for English, Urdu and Sindhi.
Coding	🔖 Python, C, C++, JavaScript C#, Dart SQL, $\text{\LaTeX}$ , ...
Databases	🔖 MySQL, PostgreSQL, SQLite, MongoDB, Neo4j
Data Science	🔖 Numpy, Pandas, Sklearn, Pytorch, Tensorflow, Keras, NLP, Open CV, Matplotlib, Tableau, Power BI
Project Management	🔖 Agile, Scrum, EPIC, Kanban, Jira, Trello
Technical Skills	🔖 GitHub, Academic research, teaching, public speaking