SAMIR KUMAR

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EDUCATION

Master of Science | *Computer Science(Majoring in Data Science)* — Mar'21 – Present
Graz University of Technology(TU Graz) — Graz, Austria

Bachelor of Technology | *Computer Science and Engineering* — Aug'13 – May'17
National Institute of Technology — Jalandhar, India

WORK EXPERIENCE

Software Engineer — June'17 – Jan'21
Samsung Research Institute(SRI) — Noida, IN

- Worked on the implementation and bugFixing of the Java based Samsung Camera application for different Android versions based on Camera 1 and Camera 2 API
- Implemented the multi-Resume Feature in Samsung Camera App introduced in Android 10.
- Worked with the team at the Samsung HQ in South Korea for the application launch and subsequent improvements.

Software Development Internship — May'16 – June'16
Firefly e-ventures(HT Media) — Gurugram, IN

- Worked on exploring ways to improve the website performance of htcampus.com(Education Business of HT Media)
- Implemented the view-level caching using MemCached and Django to reduce the page loading time from 3.5s to approximately 0.2s.

PROJECTS AND RESEARCH

Least Air-Pollution exposure path — (Jan'19 – May'19)
Samsung Research Institure, Noida(IN)

- Worked with Samsung AI and BigData teams for an Internal Hackathon to analyze routes with the least pollution using data from the Indian Air pollution data and Here Routing API .

Selected Texting on the Group — (Jan'18 – May'18)
Samsung Research Institure, Noida(IN)

- Independently worked on a feature for the internal group chat at work. Re-designed the system to control who sees the messages on the chat so as to convey the message to only a few members.

Analysis and Visualization of Cancer Research Data — (Dec'16 – Apr'17)
National Institute of Technology, Jalandhar(IN)

- This was my Bachelors' Project. Collected data of cancer patients across hospitals in the Punjab(IN) region. Cleaned the data, and created visualizations for the data against various features of cancer cells to the type of cancer. The report was submitted to the Office of the Chief Minister of Punjab.

ACHIEVEMENTS AND LEADERSHIP

Hackathon Team – Samsung — Dec'17 – Jan'21
Organized hackathons and coding competitions for Employees and Interns at Samsung, Noida.

Code Club(Open Geest), NIT–Jalandhar — Jun'16 – Dec'16
Organized programming competitions and tutorials discussions for more than 100 participants on Data Structures and Algorithms.

Codechef Long Challenge
Sept. 2015

Ranked 108 in CodeChef Long Challenge out of over 8000 participants from all over the World

Accel Partners' Hackathon
July 2016

Ranked among the top 50 programmers across India in the programming contest organized by Accel Partners on Hackerrank.

COMMUNITY INVOLVEMENT

Prayaas Community Tutor
Oct'14 – May'17

I was an active member of a Prayaas Society, where the university students teach the underprivileged kids from the university Campus neighborhood. I have given ample amount of time teaching them different subjects ranging from Mathematics to even Geography.

Jalandhar, IN

Samsung CSR
Sept'17 – Dec'18

Occasionally visited local schools for Samsunng CSR(Corporate Social Responsibility) initiative for teaching.

Noida, IN

SKILLS

Languages: English (Professional Working), Learning Deutsch(Elementary)
Programming and Technologies: Python (NumPy, SciPy, Matplotlib, Pandas), MATLAB, Mathematica, Java, C++, Django, MemCached, Bash Scripting
Document Creation: Microsoft Office Suite, LaTex, Markdown

PERSONAL INFORMATION

Date of Birth: 16 August 1995
Nationality: Indian