

Smayan Agarwal

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Education

Ashoka University, Haryana, India

August 2022 – May 2026

B.Sc. (Hons) in Computer Science with a Minor in Physics and a Concentration in Mathematics

- Cumulative GPA: **3.95/4.00**
- Major GPA: **3.98** ; Minor GPA: **4.00**

Internships and Work Experience

Raman Research Institute | Research Associate

June 2024 – Present

- Interned during the summer at QuIC (Quantum Information and Computing Lab) under Bhatnagar Awardee **Professor Urbasi Sinha** after which I was offered a long-term engagement as Research Associate
- Developed quantum computing algorithms for the faster processing of 1-D and 2-D signals and applied this to real world ECG (Electro-cardiogram) data.

BITS Pilani, Goa Campus | Research Associate

May 2024 – June 2024

- Applied Machine Learning algorithms like Bagging and Random Forests to estimate the biomass content and carbon sequestration potential of the Western Ghats forests.

Confluence Media, Delhi | Research Intern

May 2023 – July 2023

- Under the **mentorship of renowned journalist Josy Joseph**, played a pivotal role in shaping a documentary project discussing sex work in India.
- Conducted extensive research and actively participated in recording and shooting of episodes.

Dorje Teas | Backend IT Intern

May 2021 – October 2021

- Worked on **SEO initiatives and addressed website slowdowns**, resulting in heightened viewer retention and reduced bounce rates.
- Analysed and recommended AdSpend changes to kickstart a YouTube channel and take it to **over a thousand subscribers**.
- **Expanded product visibility** by strategically adding catalogue listings to four distinct e-commerce platforms, effectively doubling product exposure.

Skills & Technical Proficiency

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- Skilled in Python, Java, C, and SML-NJ.
 - Experienced in using matplotlib, numpy, and astropy packages in Python.

Extra – Curricular Activities

Quizzing Club | President

September 2023 - Present

- Part of the founding team. **Organized over 20 quizzes**.
- Head of logistics for the inter-college quizzing competition which had **participation from over 150 students**.