Samyak Jain

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Education

George Mason University — Fairfax, VA, USA
Masters of Science in Computer Science — *Aug 2023 – May 2025*

- Cumulative GPA : **3.78/4.00**
- Relevant Coursework: Analysis of Algorithm, Mathematical Foundations of Computer Science, Comp Systems and Sys Prog

Graphic Era University — Dehradun, India
Bachelor of Technology in Computer Science with Specialization in DS and AI — *Aug 2019 – June 2023*

- Cumulative GPA : **8.82/10.00**
- Relevant Coursework: Algorithms and Data Structure, Database Management System, Operating System, Computer Network, Linear Algebra, Discrete Mathematics, Big Data

Technical Skills

- **Programming Languages**: Python, Core Java, C/C++, Basics of Scala
- **Big Data, Machine Learning, and Deep Learning**: Hadoop, MapReduce, Basics of Spark with Scala, Linux, Regression, Classification, CNN

Work Experience and Training

Front End Intern — June 2022 - August 2022
Vega Moon Technologies — *New Delhi, India*

- Worked on creating an end-to-end website for the organization.
- Developed websites for the clients, some of which are live today
- Worked on nodeJS and React.

Research Student — Oct 2022 - Jan 2023
Graphic Era University — *Dehradun, India*

- Assisted other data scientists by pre-processing and transforming data into a meaningful form.
- I also helped in finding insights and patterns in the data by doing statistical analysis and thus helped in making strategies.

Projects

Deep Learning based lung disease diagnostics using VGG16 and RESNETT. | *Academic Project*

- Developed an **automated image segmentation** algorithm to detect the **infection in the lungs** using the chest CT scans
- **Quantification** of infected lungs using the chest CT scans
- Project helps the **doctors to diagnose CT severity score** of the **covid patients** from Jaipur hospital.

Predicting diabetes on diagnostics using Machine Learning Models. | *Academic Project*

- I have worked on a diabetes prediction model for better classification of diabetes which includes a few external factors responsible for diabetes along with regular factors like Glucose, BMI, Age, Insulin, etc.
- **Classification** accuracy is boosted with the new data set compared to the existing data set.

Achievements and Extra Co-Curricular

- **Vice-President of Computer Society of India (CSI)** Graphic Era Chapter (2022-2023). An integral member of the organizing committee of the technical and cultural festival (Samavartana) at the Department of Computer Science and Engineering.
- Founding member of an N.G.O named **Believe in Smiles**, Rishikesh, India.We help the underprivileged people with food and education. I also sponsor the education of one of those children. I am also the Social Media Head of the group since 2018.