Shriya Verma

Email: shriyaverma1093@gmail.com
Mobile: +91-700-7055-447
Github: github.com/waningcrescent

EDUCATION

- **Indraprastha Institute of Information Technology** — Delhi, India
  Bachelor of Technology - Computer Science and Biosciences; GPA: 8.55 — *2021 - 2025(Ongoing)*

  Courses: *Data Structures and Algorithms, Operating Systems, Computer Organization, Advanced Programming in JAVA, Database Management Systems, Algorithm Design and Analysis, Practical Bioinformatics, Machine Learning, Information Retrieval*

- **Asian International Private School** — Abu Dhabi, United Arab Emirates
  Senior Secondary; Percentage : 95.6%

SKILLS SUMMARY

- **Languages**: Python, C++, Java, SQL, R
- **Tools**: MySQL, Git/GitHub, LaTeX, VirtualBox, TinkerCAD, LibGDX, Box2D
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Transcriptomic Data Analysis to Unveil Molecular Insights into NAFLD Pathogenesis** — On Site
  Research Intern (Full-time) — *May '23 - Aug '23*
  - **personalized medicine approach**: Used Network Biology to find the genes/pathways involved in NAFLD using transcriptomic data of 19 NAFLD patients .
  - **Languages used**: R,Python

- **Generative Genomics** — On Site
  Research Intern (Full-time)
  - **Deep Learning**: Used transformers for generating synthetic data.
  - **Languages used**: R,Python

PROJECTS

- **Decipher&Decide (Information Retrieval, Web-dev)**: Created a web application built to summarize Terms and conditions using legal pegasus. Features of the web-app include multilinguality, chatbot and optical-character-recognition. (Apr '24)

- **Speaker Identification System(Machine Learning)**: Created a machine learning model that can process an unseen voice recording and identify the speaker from the set of possible candidates using classical machine learning techniques. Tech: Python (Aug '23)

- **Online Retail Store (Database System)**: Created a fully functional back-end and database that stores customer, employee, product, and store details required for any online retail store. Created a system for effective interaction of admin and customers on the store portal. Tech: Python, SQL (May '23)

- **Tank Stars (Game Development, OOPs)**: Created a desktop version clone of Tank Stars, a 1v1 game available on the PlayStore. Tech: JAVA, LibGdx. (Jan '23)

- **Assembler and Simulator (Computer Organization)**: Implemented an assembler and simulator using Python that converts lines of assembly code to object code and then presents the required output. Able to perform basic arithmetic and logical functions. Tech: Python (Aug '22)

HONORS AND AWARDS

- Certificate of Academic Excellence - ASSET Benchmarking Test - 2018
- 16th Sheikh Zayed Memorial Education Award - 2020
- Certificate of Distinction in ICAS Examination - UNSW Global - 2018

VOLUNTEER EXPERIENCE

- **Summer Camp (Rural Internship)** — Delhi, India
  Students of Delhi govt schools were taught various topics. — *May 2023 - June 2023*

- **Teaching Assistant (Probability and Statistics)** — Delhi, India
  Worked as a teaching assistant at IIIT Delhi for the subject Probability and statistics. — *Mar 2023 - June 2023*

- **Teaching Assistant (Communication)** — Delhi, India
  Worked as a teaching assistant at IIIT Delhi for the subject Communication. — *Sept 2023 - Dec 2023*