MANIKESH KUMAR

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EXPERIENCE

Summer Intern - Data Systems Lab   May 2025 – July 2025
Indian Institute of Technology (IIT) Delhi

– Working under the Mohit Aron Endowment to enhance distributed data systems using Apache Spark and Flink.

Research Intern - Graph Theory and Algorithms   June 2024 – July 2024
Indian Institute of Technology (IIT) Dharwad

– Studied graph structures and implemented simulations for dynamic graphs using Python.

Winter School Participant   December 2024
IIT Delhi – Data Systems Winter School

– Attended training in distributed systems, stream processing, and big data technologies.

EDUCATION

Indian Institute of Information Technology Dharwad   Aug 2023 – Present
B.Tech in Data Science and Artificial Intelligence — CPI: 7.92   Dharwad, India

Minor in Generative AI   Aug 2024 – Present
Courses: ML Foundations, Deep Speech Processing

Devasthaliya Vidyapeeth (CBSE)   2023
Class 12 — Score: 82.6%   Motihari, Bihar

D.A.V. Public School (CBSE)   2021
Class 10 — Score: 93.8%   Motihari, Bihar

PROJECTS & ACHIEVEMENTS

- Top 20 National Finalist — Analog Design Hackathon (C-DAC, ChipIN, MeitY, Synopsys).

- Selected for prestigious Summer Internship at IIT Delhi (Data Systems Lab).

- NTSE State Rank 6 — Bihar (2021),

TECHNICAL SKILLS

- **Languages:** Python, C/C++, Java, MATLAB, SQL

- **Web:** HTML, CSS, JavaScript

- **Tools:** Figma, Git, VSCode, Flink, Spark, Wayang, Synopsys Custom Compiler

- **Platforms:** Google Workspace, Microsoft Office, Linux

LANGUAGES

- English (Proficient), Hindi (Native), Sanskrit (Intermediate)

RELEVANT COURSEWORK

- **Semester 1:** Data Science and AI Applications, Programming, Mathematics for DS, Finance and Accounting, Communication Skills

- **Semester 2:** Probability and Statistics, Data Structures, Engineering 101, Economics, Professional Communication

- **Semester 3:** Data and Business Analytics, Algorithms, Discrete Mathematics, Object-Oriented Programming, Systems Thinking, Ethics

- **Semester 4:** Operating Systems, Software Engineering, DBMS, Global Business, Linear Algebra, Industrial Psychology

- **Minor:** Foundations of Machine Learning and Generative AI, Deep Speech Processing