Akanksha Nigam

Roll No: 2306177
Bachelor of Technology
Computer Science and Engineering
National Institute of Technology, Patna

+91-9258323092
akankshanigam158@gmail.com
akankshan.ug23.cs@nitp.ac.in
LinkedIn
GitHub

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	National Institute of Technology, Patna	8.54	2023-25
Senior Secondary	Central Board of Secondary Education	93%	2022-23
Secondary	Central Board of Secondary Education	98.6%	2020-21

EXPERIENCE

- **GirlScript Summer of Code (GSSoC'25)** *Jul 2025 – Present*
  Contributor
  ◦ Wisdom Weaver, Airplane Boarding Simulations - identifying issues, planning contributions.

PROJECTS

- **Chatbot: Real time chatbot to answer all your queries** *April 2025*
  *An **AI-powered** chatbot using Streamlit integrated with GenAI API to handle diverse user queries in real-time* [O]
  ◦ Tools: Streamlit, genAI API
  ◦ Developed seamless frontend-backend integration by embedding the chatbot into a React.js web application.
  ◦ Led the chatbot design and architecture within a team project, ensuring smooth cross-technology communication.

- **Species Prediction: Iris Flower Classification** *Nov 2024*
  Interactive Streamlit web app to classify Iris flower species based on user-input sepal and petal measurements [O]
  ◦ Tools: Streamlit, pandas, scikit-learn
  ◦ Integrated a classification model using Scikit-learn to predict species with high accuracy.
  ◦ Applied data preprocessing and scaling to improve model performance and user experience.

- **Titanic Dataset Analysis: Predicting survival of a titanic passenger** *July 2024*
  Machine learning model using Logistic Regression to predict survival outcomes based on passenger attributes. [O]
  ◦ Tools: numpy,pandas,matlplotlib,seaborn and scikit-learn
  ◦ Created visualizations using Matplotlib and Seaborn to analyze patterns in age, gender, class, and fare with 76% accuracy.
  ◦ Applied exploratory data analysis (EDA) to uncover insights about feature correlations affecting survival likelihood.

SKILLS

- **Languages**: C++, Python
- **Libraries/Frameworks**: Streamlit, NumPy, Pandas, Seaborn, scikit-learn
- **Databases**: MySQL
- **Tools**: Git, GitHub, VS Code, Jupyter, Canva
- **Core Subjects**: OOP(C++ and Java), DSA, ML, DBMS, CN

ACHIEVEMENTS

- Advanced to Round 3 Adobe India Hackathon - Experience and Insight Prototype(Top 102 Teams)
- Selected for **Atlas Research** – competitive research program focused on cutting-edge innovations in **AI/ML**.
- Amazon Sambhav Hackathon'24: Advanced to Round 2 (Top 10% of 1000+ teams)
- Byteverse Hackathon'24: Top 18 teams at NITP annual hackathon
- Coding Profiles: LeetCode (1522 | 200+ Qs) | CodeChef (1277 | 700+ Qs) | Codeforces (875 | 150+ Qs)

POSITIONS OF RESPONSIBILITY

- **Treasurer,** Expresso-The Literary and Art club, NITP *Ongoing*
- **Teacher,** Sankalp, NITP *Ongoing*