Ayush Kumar

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22-CSE(DS)-017

Bachelor of Technology

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in COMPUTER SCIENCE ENGINEERING (DATA SCIENCE)

GitHub

Haldia Institute of Technology , Haldia

LinkedIn

SUMMARY

I am Ayush Kumar, a 5th-semester engineering student pursuing Computer Science Engineering with a specialization in Data Science. I am eager to contribute to the fields of technology and research, particularly in Artificial Intelligence and Data Science.

EDUCATION

Degree	Institute	Board / University	Year
B.Tech CSE-DS	Haldia Institute of Technology, Haldia	MAKAUT	2022-2026
Senior Secondary	Eklavya Central School, Saharsa	CBSE	2021
Matriculation	St. Xavier's School, Saharsa	CBSE	2019

EXPERIENCE

- **Feynn's Lab** — *June 2023 - Aug 2023*
  Machine Learning Intern — Remote
  – **Sales Forecasting:** https://github.com/ayushjha4wd/forecasting
  – **Market Segmentation:** https://github.com/ayushjha4wd/market-segmentation
  – **Real World EV Market Domain:** https://github.com/ayushjha4wd/Real_World_Ev_Market_Domain
- **Metamarkups Private Limited** — *July 2024 - Nov 2024*
  Contractor Trainee - LLM Trainer (RLHF) — Remote
  – Focused on Reinforcement Learning from Human Feedback (RLHF) to refine language models.
  – Gained hands-on experience in enhancing language models through human-centered training.
- **Haldia Institute of Technology** — *Dec 2023 - March 2024*
  Research on Convolutional Neural Networks and Classification of Indian Snakes — Haldia
  – Conducted research on the working of Convolutional Neural Networks.
  – Developed an attention-based deep neural network for the classification of Indian snakes.

PROJECTS

- **Classification of Indian Snakes using an Attention-based Deep Neural Network** — *Jan 2024 - Apr 2024*
  Convolutional Neural Network — **Github**
  – Identification of Indian Snake
- **Intelligent Agent for Autonomous Driving** — *Ongoing*
  Deep Q-Network — **Github**
  – Developing an intelligent agent to train an autonomous car to drive in a virtual environment using Python-based Deep Q-Network, optimizing decision-making through reinforcement learning.
- **Market Analysis Tool for Space Commercialization** — *Ongoing*
  Financial Analysis Tool — **Github**
  – Building Python-Based Tools for Evaluating the Impact of Space Commercialization on Stock Market

TECHNICAL SKILLS

Python, Stats Probability, Data Visualization, EDA, Data Mining, Data Pre-processing, Machine and Deep Learning Modeling, Neural Networks, GAN, Storytelling, SQL, Git, RLHF, Prompt Engineering

KEY COURSES TAKEN

Statistics for Data Science, Data Structures and Algorithms, Probability Theory, Linear Algebra, Database Management System, Design and Analysis of Algorithms, Economics for Engineers, Artificial Intelligence, Data Mining

CERTIFICATIONS

- **Presenting a paper on Working of Convolutional Neural Network** ICEMC, Haldia Institute of Technology
- **Pradarshan** Haldia Institute of Technology, Haldia

POSITIONS OF RESPONSIBILITY

- **Volunteer**, Samarpan, HIT-Haldia — *Feb 2023 - Present*
  – Official NGO of HIT-Haldia dedicated to providing quality and free education to underprivileged children.

- **Tech Team Member**, Data Science Club HIT, HIT-Haldia — *Oct 2023 - Present*
  – Contributing to the official technical club by conducting workshops and creating content on data science and related topics.