



Aditya Poddar

Minor in Artificial Intelligence
Indian Institute of Technology Ropar
B.Tech in Computer Science and Engineering
Sarala Birla University

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Portfolio
Sagittarius

Education

Indian Institute of Technology Ropar

Jan 2025 – Jan 2026

Minor in Artificial Intelligence

Sarala Birla University

Jul 2022 – Jun 2026

Bachelor of Technology in Computer Science and Engineering

Technical Skills and Interests

Programming Languages: C, C++, Python, HTML, CSS, JavaScript

Tools and Technologies: Git, Linux, Firebase, OpenCV, Google CoLab

Interests: Data Structures, Algorithms, Computer Vision, Machine Learning, Artificial Intelligence

Experience

Web Developer @ CodSoft *Offer Letter*

Jan 2025 – Present

- Architected and implemented advanced web architectures, leveraging optimized **concurrency management and structured design** patterns to deliver seamless, high-performance interfaces, resulting in a **25%** increase in client traffic and user retention
- Enhanced website performance through techniques such as **minification, caching, and asynchronous loading**, collaborated with clients to deliver tailored web solutions that increased customer satisfaction by **30%** and improved conversion rates
- Exposure:** HTML5, CSS3, JavaScript ES6+, React and Angular

AI Dialogue Systems Engineer @ Outlier *Offer Letter*

Aug 2024 – Present

- Used large-scale transformer-based models, analyzing billions of text samples with a **92%** average comprehension rate and employed **multi-turn context management** and advanced reinforcement learning to optimize user interaction strategies
- Formulated carefully crafted instructions for improved model performance, cutting average response errors by **35%**, these methods leverage **token optimization, hierarchical prompting**, and real-time feedback loops to achieve refined outcomes
- Exposure:** Large Language Model, Natural Language Processing, Reinforcement Learning

Artificial Intelligence GUC Summer Cohort 1.0 *Certificate*

Jun 2024 – Jul 2024

- Creating and training **neural networks**, covering topics such as **supervised learning, deep learning**, and model optimization. The use of **Jupyter Notebooks** and **Google Colab** for interactive code execution and experimentation
- Developed an AI-driven **image classification system** using (CNNs) and datasets like ImageNet, utilizing **Scikit-learn** for model training, validation and fine-tuning hyperparameters and optimizing model accuracy by **85%** and efficiency by **45%**
- Exposure:** Neural Networks, TensorFlow, Python, Deep Learning, CNN

Software Testing Specialist @ Sirus BnB *Offer Letter*

Jul 2023 – Aug 2023

- Conduct **functional and performance testing of gaming sessions**, focusing on identifying bugs, glitches, and ensuring compliance with test cases using **manual and automated testing tools** for diverse hardware compatibility
- Utilize tools like **Selenium, Appium, and JIRA** for bug tracking, and implement methods such as **unit testing, regression testing, and cross-browser testing** for assessing game performance across multiple platforms
- Exposure:** Functional Testing, Selenium, Appium, JIRA

Projects

Portfolio Website

Jan 2024 – Jun 2024

- Designed and developed a professional portfolio website integrating my resume and LinkedIn profile, projects, technical skills and accomplishments, implemented an interactive interface to engage users and highlight expertise in front-end development.
- Developed structured layouts with interactive components such as clickable buttons, **dynamic design for multiple screens** and dynamic content displays, optimized the site for efficient access and user friendly interaction with minimum lagging effect
- Exposure:** HTML5, CSS3, JavaScript ES6+, ReactJS

Weather Forecasting Platform

Sep 2023 – Dec 2023

- Fetching real-time data from **AccuWeather API**, with **geolocation and responsive design** for all screen sizes
- Reduced API call latency by implementing **caching and data prefetching strategies**, resulting in faster page load times, a **15% improvement** in rendering speed, and **increasing usage efficiency by 36%** for better compatibility
- Exposure:** REST APIs, Responsive Design, HTML5, CSS

Honours and Achievements

- Member of **Google Developer Student Clubs**, IIT (BHU) Varanasi, attended events on JavaScript, Web Development
- Specialist** on Codeforces with maximum rating of **1406** and best global rank of **867** in Codeforces **Round 920 (Div 3)**
- Silver Medal** at Planet Hunt (**ML based planet detection**) event organised by Yuri's Night 2024, IIT (BHU) Varanasi
- Maximum contest rating of **1772** and among top **10.35%** users on Leetcode with **700+ problems solved**
- Completed seven days of web development BootCamp organised by **Campus Code** and developed To-Do list
- Attended one day national webinar on **Recent Trends of Photonics with Applications** organised by SBU, Ranchi
- Campus Ambassador at **International Model United Nation**, showcasing professionalism and organisational skills
- Customer Sales internship at **EduLanse Edtech Services** showcasing communication and presenting soft skills
- Summer Internship (Social Sector) internship at **Muskurahat Foundation**, showcasing community building skills