

Srimat Srivats

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Education

Kalinga Institute of Industrial Technology

Bachelor of Technology, Computer Science and Engineering CGPA: 8.67

Bhubaneswar, Odisha

Sep'22 – Jun'26

Delhi Public School Patna

All India Senior School Certificate Examination Percentage: 95.8%

Patna, Bihar

Apr'19 – Mar'21

Experience

Hewlett Packard Enterprise (Forage)

Software Engineer Intern

Jun'25 – Jul'25

Bhubaneswar, Odisha

- Developed and tested **RESTful APIs** using **Java Spring Boot**, implementing GET, POST, PUT, and DELETE operations for cloud service resources.
- Utilized **Postman** for API validation and Git for version control, following **industry-standard development workflows**. Applied clean code principles to ensure scalability, modularity, and maintainability of **backend systems**.
- Skills/Frameworks:** Java, RESTful API Development, Postman, Git, Cloud Services

Amazon ML School

Machine Learning Trainee

Aug'25

Remote

- Selected among the top 3,000 students nationwide** from thousands of applicants for Amazon ML Summer School 2025, gaining exposure to **large-scale ML systems and applied AI research**.
- Solved 5+ real-world ML case studies in **collaboration with Amazon scientists**, applying advanced algorithms to achieve **faster convergence and improved decision-making accuracy** compared to baseline approaches.
- Skills/Frameworks:** Machine Learning, Applied Science, Data Analysis

Projects

Traffic Controller System | *Java, JavaFX, JSP, MYSQL* | *Source Code*

Feb'25 – May'25

- Developed a real-time traffic simulation using **JavaFX**, modeling dynamic **traffic light transitions** with GUI updates. Used MySQL and JDBC for **logging intersection states**, and followed the MVC pattern for modular design.
- Designed and implemented a scalable system with **intersection control, event-driven simulation, and visual feedback**.
- Integrated **real-time database logging** of traffic light changes using MySQL and JDBC, enabling **traffic state analysis and auditability**.

Neuro-Inspired Meta Learning (BIMRL) | *Python, PyTorch, OpenAI* | *Source Code*

Jul'24 – Jan'25

- Implemented a **meta-learning framework** inspired by neuroscience to enable agents to **adapt rapidly to unseen tasks** in reinforcement learning.
- Planned and trained **memory-augmented neural architectures** using PyTorch, improving performance on few-shot learning benchmarks.
- Conducted experiments in **OpenAI Gym environments (CartPole, MountainCar, and GridWorld variants)**, demonstrating **faster convergence and higher adaptability** compared to baseline RL models.

Relevant Coursework

- | | | | |
|---------------------------|---------------------|---------------------|-----------------------|
| • Data Structures | • Algorithms | • Operating Systems | • Database Management |
| • Artificial Intelligence | • Computer Networks | • Cloud Computing | • Machine Learning |

Technical Skills

Languages: Java, Python, JavaScript

Developer Tools: Git/GitHub, Linux, Sublime text, Google Cloud Platform, Hugging Face, PyCharm

Libraries/Frameworks: Spring Boot, Docker, Puppeteer, NumPy, Matplotlib, Pandas

Achievements

- Achieved **1630** as the best global rank in **Meta Hacker Cup 2024**.
- Finalist** in the **Void Hacks Hackathon**, showcasing strong technical capabilities.
- Specialist on HackerRank with a **5 Star rating**, testament to algorithmic skills.
- Actively participated in the **GSSOC**, fixing bugs, adding new features, and improving documentation to enhance project functionality and user experience.

**Ranking
Certificate
Profile**