

# 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.  | Ranking     |
| • Finalist in the Void Hacks Hackathon, showcasing strong technical capabilities.   | Certificate |
| • Specialist on HackerRank with a 5 Star rating, testament to algorithmic skills.   | Profile     |
| • Actively participated in the GSSOC, fixing bugs, adding new features, and improving documentation to enhance project functionality and user experience. |             |