

# Nandinee

+91 9289293949 | [nandinii.official111@gmail.com](mailto:nandinii.official111@gmail.com) | [Linkedin](#) | [Github](#)

## SUMMARY

Results-driven Computer Science student specializing in Software Engineering and Machine Learning. Proficient in backend development using Java, Microservices, and Apache Kafka, with a proven ability to deliver impactful projects in computer vision and NLP. Eager to apply technical expertise to build innovative technology solutions.

## EDUCATION

**Indira Gandhi Delhi Technical University for Women**

**Aug 2024 - Present**

*B.Tech in Computer Science Engineering*

**St Marks Sr. Secondary Public School**

**Apr 2022 - May 2024**

*High School*

*PCM Percentage : 93%*

## EXPERIENCE

**Software Engineering Intern | Deutsche Telekom Digital Labs**

**May 2025 - Jul 2025**

- Maintained scalable backend systems using Java within a distributed microservices architecture.
- Implemented robust, event-driven workflows and asynchronous messaging pipelines with Apache Kafka.
- Performed comprehensive API validation for RESTful services using Postman, ensuring seamless system integration.

**Research Intern | ACM IGDTUW**

**Sep 2024 - Apr 2025**

- Spearheaded an end-to-end Natural Language Processing research project, independently developing the core sentiment and semantic analysis models.
- Awarded a Certificate of Outstanding Performance for exceptional contributions.

## PROJECTS

**RISKON: Dynamic Credit Risk Assessment Framework**

**Apr 2025 - Present**

- Developing a comprehensive, time-series data pipeline and a "glass-box" preprocessing module using Weight of Evidence (WoE) for interpretable feature engineering.
- Implementing a novel risk assessment model that uses K-Means clustering to segment borrowers and Ordinary Differential Equations (ODEs) to model dynamic risk factors for each cohort.

**Object Detection for Safety Gear Compliance | Python , ML , YOLOv8**

**Jun 2025 - Jun 2025**

- Developed a real-time object detection system using YOLOv8 to identify safety gear (helmets, vests) in industrial settings, achieving 93.25% mAP@0.5 and 95.88% precision.
- Enhanced model accuracy by 25% through strategic data augmentation, learning rate scheduling, and rigorous hyperparameter tuning.

**Automated Certificate Generator : AWS Virtual Assistant | Python , Streamlit**

**Nov 2024 - Dec 2024**

- Built and deployed a Python-based virtual assistant using Streamlit that automated the creation and distribution of certificates for AWS Club events.
- Reduced manual effort for event organizers by over 95% and was awarded First Prize for innovation and practical application by AWS Club IGDTUW.

## TECHNICAL SKILLS

- **Languages & Technologies :** Python, C++, Swift, Java, HTML/CSS
- **Backend & Development Tools:** Apache Kafka, Microservices Architecture, Elasticsearch, Git, Postman, Firebase
- **Machine Learning & Data Science:** PyTorch, TensorFlow, YOLOv8, Streamlit, Computer Vision, NLP

## LEADERSHIP & AWARDS

- **Director of Public Relations** | Rotaract Club of Delhi Dynamic Leaders
- **Silver Medal** Muay Thai District Level Championship
- **Academic Excellence Award**
- **Top 10** Secured **9<sup>th</sup> rank out of 150** students in AI/ML GDG (Google Developer Groups) IGDTUW
- **1<sup>st</sup> Prize, AWS Club IGDTUW** - Awarded for creating a certificate generator module that automated issuance