



Ananya Maity

B.Tech
Software Engineering

+91-7439841791

✉ payelmaity056@email.com

✉ 22btrsn005@jainunivers.ac.in

EDUCATION

- **JAIN (Deemed-to-be-university), Faculty of Engineering and Technology** 2022 - 2026
B.Tech(CSE - Software Engineering) CGPA/Percentage: 8.6/10
- **Senior Secondary (XII), Science Amtala Nivedita Balika Vidyalaya** 2020 - 2022
Board of WBCHSE Intermediate Education, WB CGPA/Percentage: 83.00
- **Secondary (X) Amtala Nivedita Balika Vidyalaya** 2015 - 2020
Board of WBBSE Secondary Education, WB CGPA/Percentage: 79.00

EXPERIENCE

- **Python Intern** February, 2025 - Present
 - Developed a Random Username Generator and a Word Counter to analyze text.
 - Built a Scalable Expense Tracker using Django, MySQL, Docker, and Kubernetes.
- **AI-Driven Fire Safety Automation** April, 2024
 - Worked on Generative AI for Fire Security Forms, automating form input using AI.
 - Developed a model to efficiently process fire safety data using Generative AI.
- **Optimizing Performance Across AWS, Azure, GCP** June, 2024 - July, 2024
 - Designed and implemented a PRPLW-based cloud selection algorithm to optimize cloud computing performance.
 - Evaluated AWS, Microsoft Azure, and Google Cloud based on cost, latency, and resource availability.

PERSONAL PROJECTS

- **Scalable Expense Tracker** May, 2023 - October, 2023
Built a Django-based expense tracker with real-time analytics and alerts.
 - Tools & technologies used: Django, MySQL, Docker, Kubernetes, Prometheus, Grafana
 - Deployed on Kubernetes for auto-scaling and high availability
 - Implemented Prometheus, Grafana for monitoring expense trends
 - Secured user authentication for financial data protection
- **E-Commerce Web App** January, 2024 - June, 2024
Developed a full-stack e-commerce platform with secure payments.
 - Tools & technologies used: React.js, Spring Boot, MySQL, Docker, Kubernetes
 - Scaled the platform to support thousands of transactions
 - Integrated secure payment gateways for seamless transactions
 - Used Docker, Kubernetes for efficient deployment
- **AI-Powered Chatbot** December, 2024 - March, 2025
Created an AI chatbot using NLP for automated responses.
 - Tools & technologies used: Django, MongoDB, TensorFlow, Docker, Kubernetes
 - Achieved more than 80 percent response accuracy using NLP training models.
 - Scaled with Kubernetes for multi-user real-time support.
 - Integrated with WhatsApp, Slack APIs for usability.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Java

Developer Tools: Git, Github, VS Code

Frameworks: Django, Spark, SpringBoot

Cloud/Databases: MySQL, Docker, Kubernetes, MongoDB

ACHIEVEMENTS

- **Google Digital Unlocked** March, 2023 - May, 2023
- **Fire and Safe Built Environment, (Honeywell)** April, 2024