SWAPNANEEL PATRA

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EDUCATION

Indian Institutes of Technology (IIT)   Patna, India
Master of Technology in Artificial Intelligence & Data Science Engineering   *Aug. 2025 – Present*

Kalinga Institute of Industrial Technology (KIIT)   Bhubaneswar, India
Bachelor of Technology in Computer Science and Engineering   *June 2019 – Aug. 2023*
- GPA 8.38/10.0
- **Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Probability and Statistics, Operating Systems

EXPERIENCE

Junior Software Engineer   May 2024 – Sep. 2024
EPAM Systems   *Hyderabad, India*
- Collaborated within an Agile team to deliver a scalable e-commerce web application, implementing CI/CD pipelines for iteration.
- Designed secure user authentication and role-based access control (RBAC), enhancing data privacy and platform security.
- Developed a dynamic product catalog with advanced search and filtering, improving user engagement and product discoverability.
- Built an admin module for streamlined management of user access, orders, and product listings.
- Created vendor tools for efficient product listing management and supplier onboarding.

PROJECTS

Gitlytics | *Python, Flask, React, PostgreSQL, Docker*   June 2020 – Present
- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git*   May 2018 – May 2020
- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib