

SWAPNANEEL PATRA

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EDUCATION

Indian Institutes of Technology (IIT)

Master of Technology in Artificial Intelligence & Data Science Engineering

Patna, India

Aug. 2025 – Present

Kalinga Institute of Industrial Technology (KIIT)

Bachelor of Technology in Computer Science and Engineering

Bhubaneswar, India

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.

Software Engineering Intern

Jan. 2022 – Apr. 2022

HighRadius Corporation

Bhubaneswar, India

- Collaborated on building a B2B invoice management system to streamline payment predictions and improve operational efficiency.
- Built and trained a machine learning model, achieving 90.43% accuracy in forecasting payment periods for B2B companies.
- Streamlined backend data retrieval using servlets and the MVC design pattern, ensuring a responsive and user-friendly interface.
- Created an intuitive Receivables Dashboard with structured grid visualization, making data more accessible and actionable.
- Implemented robust CRUD functionalities and seamless pagination, enhancing navigation and data management for users.

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: Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS

Frameworks: React, Next.js, Node.js, JUnit, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse