



Pragyan Kumar Pradhan

Entry-Level Software Developer

As an enthusiastic engineering graduate, I bring proficiency in Core Java, J2EE, Hibernate, Spring, Spring Boot, HTML, CSS, JavaScript, and ReactJS. Eager to learn new technologies quickly. Capability to work in teams by providing valuable support.

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EDUCATION

Masters of Technology in Production Engineering

Indira Gandhi Institute of Technology, Sarang

05/2021

CGPA: 9.44

Bachelors of Technology in Mechanical Engineering

Orissa Engineering College, Bhubaneswar

05/2019

CGPA: 7.89

Diploma in Mechanical Engineering

UGIE, Rourkela, Odisha

2015

72.37%

Matriculation

Angul High School, Angul, Odisha

2012

84.5%

PERSONAL PROJECTS

Merchant Management System with Spring Boot (09/2023)

- Built a merchant management system with Java, Spring Boot, and Spring Data JPA. Implemented registration, authentication, and CRUD operations. Customized exception handling for enhanced error responses. Validated API endpoints with Postman.

Employee Management System with Spring MVC (08/2023)

- Developed a Java-based Employee Management System employing MVC architecture with Spring MVC, Hibernate, and JPA for database interactions, featuring employee registration, updates, retrievals, verifications, and deletions, and integrating Bootstrap for a visually appealing frontend.

User Management System with JDBC & Servlets (07/2023)

- Designed a JavaWeb application with JSP and Servlets, implementing CRUD operations for effective user management, and utilizing MySQL database with JDBC for seamless data handling.

Myntra UI Clone (04/2023)

- Developed a functional front-loading page clone of the Myntra app using HTML, CSS, and JavaScript, showcasing proficiency in web development and design.

AI technique for improving the navigational parameters during robot path finding (2020 - 2021)

- Developed a novel hybridized AI technique by combining the SOMA and PSO for optimal path planning and control of single and multiple mobile robots in a static and dynamic environment.

Modernization of a petrol car into solar car (2019)

- We restored an obsolete petrol car and converted it into a DC motor drive solar powered car, then we tested the solar vehicle performance.

SKILLS

Core Java

J2EE

Hibernate

Spring

Spring Boot

HTML

CSS

JavaScript

ReactJS

SQL

JSP

PUBLICATIONS

Improving navigational parameters and control of autonomous robot using hybrid SOMA- PSO technique. In Evolutionary Intelligence. (2023)

<https://doi.org/10.1007/s12065-023-00820-8>

Improving navigational parameters during robot motion planning using soma technique. In Intelligent Systems (pp. 179-188). Springer (2022)

https://doi.org/10.1007/978-981-19-0901-6_17

CERTIFICATES

Professional Java Full Stack Development course from JSpider BTM Layout, Bangalore

Completed comprehensive Java Full Stack course covering Core Java, J2EE, Hibernate, Spring, Spring Boot, HTML, CSS, JavaScript, ReactJS, and SQL.

AutoCAD Certification from CTTC, Bhubaneswar.

Extensive training in AutoCAD productivity tools, 3D modeling, 2D drafting, and its applications in conventional machining."

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Odia

Native or Bilingual Proficiency

INTERESTS

Research

Robotics and Automation

Photography

Tech Enthusiast