PRATANU DOLUI

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CAREER OBJECTIVE

Aspiring Full Stack Developer with strong foundations in Java, Python, C++, and hands-on experience in scalable web applications using React.js, Node.js, and REST APIs. Eager to join a dynamic development team and contribute immediately to impactful software solutions while continuously enhancing skills in full-stack and system-level development.

SKILLS

- ❖ **Programming Languages**: Java, Python, C, C++
- ❖ **Frameworks & Technologies**: Hibernate, Servlets, Spring, Spring Boot
- ❖ **Web Development:** HTML, CSS, JavaScript, React.js, Node.js
- ❖ **Databases**: MySQL, MongoDB, SQLite
- ❖ **Tools & Methodologies**: Git, GitHub, Postman, Agile, MVC Architecture

EDUCATION

- ❖ Bachelor Of Engineering – 2025
  PES Institute Of Technology And Management - Shimoga, KA, India
  Computer Science And Engineering   **CGPA**: 8.84 *(13/02/2025)*
- ❖ Intermediate(XII)
  Panchberia Ramchandra Smriti Sikhsha Mandir.
  Paschim Medinipur, West Bengal.   *Aggregate: 90.2% (17/07/20)*
- ❖ Matriculation(X)
  Panchberia Ramchandra Smriti Sikhsha Mandir.
  Paschim Medinipur, West Bengal.   *Aggregate: 88.71% (06/06/2018)*

INTERNSHIP

- ❖ **Virtual Internship – Web Development | CODESOFT | 10th Dec 2023 – 10th Jan 2024**
  - Designed and developed responsive websites using HTML, CSS, JavaScript, and PHP.
  - Integrated MySQL databases for data storage and retrieval, improving backend performance.
  - Focused on frontend and backend development, optimizing website responsiveness and user experience.
- ❖ **Full Stack Internship – Web Development | Dhee Coding Lab | 21st Feb 2024 – Present**
  - Developed backend modules using Java, JDBC, and Servlets, with integration to MySQL.
  - Applied Hibernate ORM for database interaction and started implementing the Spring framework..
  - Collaborated with a team to enhance web applications with a focus on scalability and maintainability.

PROJECTS

- ❖ **Quantum Computing for Insurance Risk Assessment and Premium Optimization** (Sept 2024 – Dec 2024)
  Developed a Quantum Machine Learning (QML) model to enhance insurance risk assessment. With 10,000–50,000 applications processed daily, the model replaces manual methods with real-time data analysis and dynamic pricing, significantly improving prediction accuracy and operational efficiency for insurers.
  Skills: Django, QML, Data Analysis, ML
- ❖ **Shopping Cart System (Spring MVC + Hibernate)** (Apr 2025 - May 2025)
  Developed a shopping cart application with Spring MVC and Hibernate for seamless database persistence. The system included user authentication, product catalog management, and a checkout workflow, enabling a smooth end-to-end e-commerce experience.
  Skills: Spring MVC, Hibernate, MySQL, Authentication, Web Application Development.
- ❖ **PetCare CRM** (Apr 2025 – May 2025)
  Created a MERN stack web app for veterinary clinic operations, supporting 2,000+ records, scheduling, and automated alerts. Integrated secure login and role-based access to streamline workflows.
  Skills: MySQL, Express.js, React.js, Node.js, JavaScript, HTML, CSS, REST APIs, MVC Architecture

ACHIEVEMENTS

- Programming in Java - **NPTEL**
- The SQL Programming Essentials Immersive Training - **Udemy**
- Databases with Python: MySQL, SQLite & MongoDB with Python - **Udemy**
- Python and Artificial Intelligence - **Google Developer Student Clubs**