Aaditya Singh

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SKILLS SUMMARY

- **Programming Languages**: Java, JavaScript, Python
- **Mobile App Development**: Flutter
- **Database Management**: MySQL, Oracle, Mongodb
- **Cross Platform Development**: Electron
- **Tools**: Git, Docker, Firebase, Apache Ant

EXPERIENCE

- **Jindal Steel and Power Limited**   Angul, India
  Graduate Engineer Trainee, HSM Projects   *July 2023 - Ongoing*
  - **Commissioning of HSM**: Collaborating in the electrical and automation department for commissioning of a cutting-edge Hot Strip Mill (HSM) plant as part of a 5000 crore project. Responsibilities include coordination and implementation of critical electrical and automation systems that are integral to the plant's operational efficiency and productivity.

- **Mecon Limited**   Ranchi, India
  Summer Training: IT Cell   *May 2022 - June 2022*
  - **Software: Asset Management System Application**:
    - Engineered an Asset Management System software application using Java, Swing, and JDBC.
    - Employed Java, Swing, and JDBC technologies to devise a user-friendly solution for managing assets.
    - Markedly improved data accuracy and efficiency, reducing manual asset tracking by 20%. The system adeptly handled over 1,000 records, streamlining asset monitoring and reporting processes.
  - **Database: Oracle Server-Side Configuration**:
    - Executed and configured Oracle server-side tables and tablespace, optimizing database performance and enhancing data storage efficiency.
    - Implemented server-side configurations to optimize data storage within a 1 GB limit.
    - Optimized database storage to enhance resource efficiency and overall system performance, achieving improved data storage and utilization.

EDUCATION

- **Birla Institute of Technology, Mesra**   Ranchi, India
  Bachelor of Technology - Electronics and Communication Engineering. C.G.P.A = 7.83/10   *June 2019 - May 2023*

PROJECTS

- **GestMemo**:
  - Pioneered a high-performance web application focused on handpose recognition, achieving an impressive 95% accuracy rate in correctly identifying and mapping 21 crucial hand points.
  - Applied advanced state management techniques within the web application to optimize data processing and synchronization, resulting in a remarkable 30% increase in processing speed.
  - Achieved a fluid and responsive user experience by attaining a consistent 60-frame-per-second frame rate for capturing hand movements. This augmented the overall interactivity of the application, This resulted in a smooth and seamless user experience.

- **BookVault**:
  - Developed the 'BookVault' mobile app using Flutter. Crafted an intuitive and responsive user interface to ensure a seamless experience for students and optimize library resource management.
  - Managed a steady user base with 200 active users and consistently high user engagement, with an average of 50 resource searches and 10 book requests per day.
  - Contributed to a more efficient and user-friendly library experience, resulting in a 25% reduction in administrative workload and a 20% increase in student engagement. This enhanced the overall process, This commitment to optimization guarantees the seamless functionality of the application.

VOLUNTEER EXPERIENCE

- **Devincept**: Participated in 5-6 open-source issues of the full-stack developer program.
- **Mentor - Webium Workshop**: During a session that lasted 3 hours each day for 2 days, assisted 25 students in gaining a general grasp of web programming and exposing them to open-source contributions.

ACHIEVMENTS

- **Codeflow**: Accomplished 1-month open-source program and achieved a certificate. Codeflow-Certificate
- **Walkover**: Gained a 2 months training certificate in curriculum Walkover-Training certificate