Rakesh De

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EDUCATION

B.P.Poddar Institute Of Management And Technology   Kolkata, W.B
Bachelor of Technology in Information Technology / **CGPA: 8.085**   *2022 – 2026*

TECHNICAL SKILLS

- **Java (advanced problem solving):** Collections, DS & algorithms, Generics, Lambdas, Multithreading.
- **Web technologies:** HTML, CSS,React.js, Tailwind CSS, Material-UI, Web APIs, Context APIs, Node.js, Express.js.
- **Programming languages :** Java, C, Python, JavaScript, SQL.
- **Machine learning tools**: NumPy, Pandas, Scikit-learn.
- **Database management system:** MySQL, Oracle.
- **Developer tools:** Git/GitHub, VS Code, Postman, Firebase, Jupyter Notebook.
- **Other skills:** Responsive frontend design, UI/UX principals, Real time data handling.

SOFT SKILLS

Team collaboration, Effective Communication, Time management, Adaptability, Willingness to learn and Upskill.

WORK EXPERIENCE

Apertre 2.0   March 2025 – April 2025
Top Opensource Developer   *[Certificate]*
- Ranked among top 10 (out of 1,500+ participants) in a month-long open-source developer program by Resourcio community.
- Contributed to multiple projects by resolving bugs, implementing new features, refining documentation, and improving overall quality and functionality.
- Collaborated with maintainers and fellow developers to align contributions with project goals.

PROJECTS

AI-Powered Book Recommendation App / *React.js, Material UI, OpenAI API, Google Book API*   **GitHub**

- Engineered a personalized book recommendation system with genre-based filtering and rating/review analysis, leveraging Google Books API to fetch 40+ curated results per search.
- Designed a responsive UI using React and Material UI, implementing local storage to persist user preferences and reading lists.
- Developed advanced filters (4+ stars ,100+ reviews) and interactive previews, reducing manual search time while ensuring high quality recommendations.

Educational Institute Test Result Management System | HTML, CSS, JS, Node JS, Express JS, JSON DB   **GitHub**

- Collaborated with 3 fellow developers to design and built a system for managing and visualizing student test results.
- Supports adding, updating, and managing student records with a simple UI.

Voice-Controlled Real-Time Expense Tracker | React JS, Web Speech API, Material UI, Chart.js   **GitHub**

- Built a voice command enabled expense tracker using react and web speech API, reducing manual input time by natural language processing integration.
- Implemented real time expense visualization with Chart.js and Material UI, improving financial insights accessibility with interactive dashboards and categorized analytics.

CERTIFICATIONS

Machine Learning Using Python – **Certificate**