Sandeepan Mohanty

📞 +91 8658463545 | ✉ sandimohanty@gmail.com | 💼 Linkedin | 🐙 Github | 🌐 Portfolio | </> Leetcode | 🍴 CodeChef

EXPERIENCE

Graduate Engineer Trainee — August 2024 – October 2025
HCLTech - Citrix Client Project — *Bangalore, India*

- **Data Analysis:** Analyzed **1M+ rows** of operational and business data using **SQL and Python**, delivering insights that supported **weekly decision-making** across multiple teams.
- **Exploratory Data Analysis:** Performed **EDA and root cause analysis** on **200+ incident cases**, identifying recurring failure patterns and reducing average resolution time by **35%**.
- **Automation & Reporting:** Automated **5+ recurring reports** and data pipelines using **Python**, saving **15+ hours/week** and improving reporting accuracy by **25%**.
- **Dashboarding & Stakeholder Collaboration:** Built **6+ KPI dashboards** tracking SLA, performance, and volume metrics, used by **20+ stakeholders** for operational planning.

Business Analyst Intern — January 2024 – July 2024
PhonePe — *Bangalore, India*

- **Regulatory Analytics:** Standardized data workflows for **20+ RBI regulatory reports**, ensuring **100% audit compliance** and reducing submission errors by **30%**.
- **SQL Optimization:** Optimized **15+ complex SQL queries** through indexing and query restructuring, improving data extraction time by **30%**.
- **Data Visualization:** Developed and deployed **10+ QlikSense dashboards** with real-time KPIs, enabling **30+ business and compliance stakeholders** to monitor metrics independently.
- **Business Reporting:** Gathered requirements from **5 cross-functional teams** and delivered **8 custom reporting solutions**, increasing insight accuracy and turnaround time by **25%**.

Software Development Engineer Intern — January 2023 – December 2023
Hatica — *Remote*

- **Frontend Performance Optimization:** Improved web application performance using **React.js, Gatsby.js, and Prismic**, reducing page load time by **30%** (4.2s → 2.9s) and improving **Core Web Vitals by 40%**.
- **User Experience Enhancement:** Delivered responsive UI improvements for high-traffic websites serving **5,000+ daily users**, driving a **20% increase in user engagement** and a **15% reduction in bounce rate**.
- **Backend Integration:** Integrated **FormSpark** with **Node.js server-side APIs**, reducing form submission errors by **25%** and improving data reliability.

PROJECTS

SplitExpense – Expense Sharing Web Application | *React.js, Firebase, JavaScript, HTML/CSS* — Link

- **Real-Time Expense System:** Built a real-time expense sharing platform using **Firebase Realtime Database**, supporting **50+ active users** with sub-second synchronization and accurate balance computation.
- **Group Management & Splitting Logic:** Implemented equal and custom expense splitting across **100+ transactions**, ensuring consistent multi-user data integrity with Firebase Authentication.
- **Scalable Frontend Architecture:** Developed a responsive **React.js** UI that reduced manual expense reconciliation by **90%** and structured the system for future enhancements like notifications and settlement automation.

Python Syntax Helper CLI | *Python, PyPI* — PyPI Link

- **CLI Automation Tool:** Developed and published a Python package on **PyPI** providing **6+ reusable syntax templates**, reducing repetitive coding effort by **60%**.
- **Adoption & Reliability:** Achieved **200+ weekly downloads** and implemented structured input validation, reducing runtime errors by **40%**.

EDUCATION

Veer Surendra Sai University of Technology, Burla — December 2020 – May 2024
Bachelor of Technology in Computer Science and Engineering — *CGPA: 8.70/10.0*

- **Relevant Coursework:** Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases

SKILLS SUMMARY

- **Languages:** Python, JavaScript, SQL, C/C++, HTML/CSS
- **Frameworks:** React.js, Node.js, Express.js, Next.js
- **Databases:** MySQL, PostgreSQL, Firebase
- **Tools:** Git/GitHub, Linux, Postman, VS Code, AWS