Kanishka Thakur

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PROFFESIONAL SUMMARY

Aspiring Software Developer skilled in Python and Java with hands-on experience in full-stack projects and a strong foundation in Data Structures & Algorithms. Experienced in building scalable applications and dashboards with real performance improvements. Strong problem-solving, teamwork, and adaptability skills.

EXPERIENCE

Summer Intern, Indian Oil Corporation India (IOCL, Mathura) |May – June 2025
- Developed internal web applications using ASP.NET & .NET Framework, improving system reliability for 200+ daily users.
- Redesigned legacy pages with HTML5, CSS3, and Bootstrap, reducing load time by 35% and enhancing mobile responsiveness.
- Collaborated with a 4-member IT team using Git for version control and weekly code reviews; optimized apps with ASP.NET & SQL.
- Built and tested reusable modules with unit testing and debugging practices, ensuring cross-platform compatibility.

PROJECTS

Mood-Based Music Playlist Generator (Live) (Source Code)
(Python , Streamlit, YouTube Data API)
- Built a web app to fetch YouTube playlists by mood; tested with 20+ users who reported smoother navigation and better engagement.
- Reduced playlist load time from 6s → under 3s (measured with Chrome DevTools).
- Verified API performance by handling 120 requests/min without failure using Postman stress testing.

DataLens- Data Visualization Dashboard(Live) (Source Code)
(Python , Streamlit, Seaborn, Matplotlib , PyPDF)
- Designed dashboard for CSV/PDF datasets ; optimized queries and caching reduced load times from 4s → 2s (timed tests).
- Conducted a pilot test with 15 students; 13 reported improved clarity and faster insights compared to Excel charts.
- Implemented caching (Streamlit st.cache) to speed up repeated visualizations by ~40%.

Expense Tracker - WalletBuddy (Source Code)
(HTML5, CSS3, JavaScript, MongoDB, React.js, Node.js, Git, GitHub)
- Built a tracker supporting 1,000+ transactions per user; verified with seeded test data and MongoDB Atlas monitoring.
- Implemented category filters and search, reducing query time from ~2s → <1s for 500+ entries.
- Deployed income graphs on login/dashboard; collected structured feedback from 10 testers who reported better financial tracking compared to static summaries.

SKILLS

Languages: Java, Python, JavaScript, SQL
Frameworks and Tools: Bootstrap, React.js, Node.js**,** Git, GitHub
Core CS: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)
Databases: MongoDB, PostgreSQL

EDUCATION

BSA College of Engineering & Technology, Mathura   *Aug 2022 – Jun 2026* | **CGPA: 7.9**
- **Bachelor of Technology – Computer Science & Engineering | AKTU, Lucknow**

Indian Institute of Technology, Madras   Sep 2023 – Ongoing
- **Bachelor of Science – Data Science & Applications (Online)**

CERTIFICATIONS & ACHIEVEMENTS

- Foundational Certificate **| IIT Madras Link**   **May 2025**
- Winner - **Eureka 2025** Built Car Parking Website and won 1st place among 40 teams **Link**   **August 2025**
- **Google Cloud Arcade 2024,** gained hands on experience with cloud API's and deployments   **June - Dec 2024**
- Contributor **–** Submitted 6 PRs, 4 merged into open-source repos (Python based**)**   **October 2024**
- Leetcode – Solved 200+ Problems (84 Easy, 151 Medium , 44 Hard - Java-based)