SANCHIT AGRAWAL

Software Engineering Intern

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tech blog- https://sanxxit.hashnode.dev/
github- https://github.com/sanxxit

EDUCATION

B.Tech. in Computer Science and Engineering
GLA University
08/2022 - 05/2026 Mathura, India

Intermediate CBSE Borad **84%**
Shri ji baba SVM

EXPERIENCE

Software Engineering Intern
Solytics Partners
11/2023 12/2023 Remote

A software solutions company innovative solutions and services.

- Orchestrated advanced Git workflows, including pull request reviews, branching strategies, and conflict resolution, to ensure seamless integration within a multi-contributor CI/CD pipeline.
- Managed pull requests and branching strategies to maintain codebase integrity.
- Enhanced deployment efficiency by 100% through automated pipelines and unit tests covering 80% of the codebase.

KEY ACHIEVEMENTS

IBM hackathon 2023 bronze medal

Won Bronze (Top 3/200) at IBM hackathon 2023 for developing an LSTM-based Predictive Maintenance System, improving failure prediction by 30%.

1st Rank in Technical Blog writing inTECHNAVYA 2025

1st Rank in Technical Blog Writing in TECHNAVYA 2025 (Check out my blog at sanxxit.hashnode.dev)

PROJECTS

CampusBoard

11/2024 12/2024

A lightweight noticeboard platform for students to access important updates.

- Built a noticeboard web application for campus students, handling over 1,500 daily active users.
- Deployed using Docker on Digital Ocean, achieving 40% faster deployments through an automated CI/CD pipeline via GitHub Actions.
- Implemented secure login with OTP, reducing unauthorized access by 25%.
- Optimized real-time update delivery, reducing latency from 300ms to 100ms, ensuring instant notifications for students.

CollabNotes

08/2024 09/2024

A collaborative online note-taking platform with real-time editing and sharing.

- Developed a full-stack application using React, Node.js, and MongoDB, reducing note-sharing time by 40%.
- Integrated WebSocket-based real-time collaboration, enabling 100+ concurrent users with zero lag.
- .Optimized backend performance, reducing API response time from 500ms to 150ms for a 3.3x speed improvement

Predictive Maintenance Analysis

11/2024 12/2024

- Processed 1M+ telemetry records to predict failures using historical machine data
- Reduced downtime by 30% through data-driven failure pattern analysis.
- Leveraged pandas, Matplotlib, and failure logs for real-time anomaly detection.

SKILLS

Python NumPy Pandas Scikit-Learn Matplotlib OpenCV JupyterNotebooks Seaborn FastAPI Docker Git Github Github Actions CI/CD JavaScript Linux Linux administration MongoDB MySQL node.js Open Source P2P postgresql ReactJS

LANGUAGES

PYTHON , HTML, CSS , JAVASCRIPT

CERTIFICATIONS

~ DEEP LEARNING AND NEURAL NETWORKS by deeplearning.ai

~ SQL BASED CERTIFICATION BY SKILLCRED.