Satyam Kamal

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SUMMARY

Full Stack Developer with hands-on experience in building, deploying, and optimizing scalable web applications using Python, Django, React, Node.js, and PostgreSQL. Strong foundation in REST API development, authentication, database design, and frontend-backend integration with proven project-based experience in production-ready systems.

EDUCATION

Nit Jamshedpur   Jamshedpur, Jharkhand
Master of Computer Applications   *Aug 2022 – Jun 2025*

CSJM University   Kanpur, Uttar Pradesh
Bachelor of Computer Application   *Jul 2018 – Jun 2021*

EXPERIENCE

Data Analyst   Sep 2025 – Oct 2025
PureSoftware   *Noida, Uttar Pradesh*

- Fine-tuned large language models (LLMs) for an Adobe AI project using 20,000+ labeled data samples, improving model accuracy by 18 percent.
- Partnered with a 10-member cross-functional engineering team to validate datasets and enhance data quality pipelines.

PROJECTS

Event Planner [Live] | *HTML, CSS, JavaScript, Node.js, React, PostgreSQL, JWT*
- Engineered a full-stack event management platform supporting 2 user roles (admin and users) with secure authentication.
- Implemented RSVP workflow (Going/Maybe/Decline) handling 500+ simulated event responses with real-time analytics.
- Designed REST APIs and JWT-based role authentication to prevent unauthorized access.
- Optimized database queries and backend APIs, reducing average page load time by 35 percent.

Sudoku Game [Live] | *HTML, CSS, JavaScript*
- Built an interactive Sudoku game with 3 difficulty levels, timer, hints, and solution validation system.
- Implemented a recursive backtracking algorithm to dynamically solve 1,000+ puzzle combinations.
- Improved user retention and engagement, achieving over 90 percent positive feedback in testing sessions.

Emojification [GitHub] | *Python, NumPy, Pandas, CNN, OpenCV, Deep Learning*
- Developed a real-time facial emotion recognition system achieving 88.6 percent classification accuracy.
- Trained CNN model on 8,000+ labeled facial images with real-time webcam inference.
- Integrated OpenCV-based face detection and emoji rendering for real-time emotion visualization.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript, HTML, CSS
Frameworks: React, Node.js, Express.js, Django
Libraries: pandas, NumPy, Matplotlib, ScikitLearn, tkInter
Tools: Git, VS Code, IntelliJ Idea, Jupyter Notebook, Google Colab, Excel, Tableau
Core Concepts: DBMS, OOPS, Machine Learning, Deep Learning

CERTIFICATIONS AND ACHIEVEMENTS

Certificate[Link]: Completed 6-month Full Stack Development certification using Python and Django.
LeetCode[Link]: Solved around 100 problems on LeetCode.
GeeksforGeeks[Link]: Done 100+ DSA problems on GeeksforGeeks.
Codeforces[Link]: Approached more than 120 competitive programming problems on Codeforces.
CodeWlkerz: Got AIR 390 in the national-level coding competition.