Siddharth Patel

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Summary

Computer Science graduate with applied experience in AI/ML model development, data engineering, and full-stack applications. Proficient in Python, SQL, and modern web technologies (HTML, CSS, JavaScript) with hands-on expertise in building ETL pipelines, integrating REST APIs, and deploying ML models into production-ready systems. Strong foundation in data visualization, cloud platforms (AWS, Streamlit, Netlify), and CI/CD pipelines. Adept at delivering scalable, reusable solutions that improve user experience, streamline workflows, and enable data-driven decision-making.

Technical Exposure

- **Programming:** Python, C/C++, SQL, HTML, CSS, JavaScript
- **Frameworks & Libraries:** Django, Flask, React, Node.js, Pandas, NumPy, TensorFlow, OpenCV, Scikit-learn, Seaborn
- **Data & Cloud Tools:** MySQL, MongoDB Atlas, Power BI, AWS, GitHub Actions, Streamlit, Netlify
- **Development & Deployment:** API Integration, ETL Pipelines, Data Visualization, Git, VS Code, Jupyter, PyCharm

Internship Experience

Artificial intelligence Intern, Codec - Remote   October 2025 - December 2025
Tools & Technologies: Machine Learning, AI

- Built and optimized ML models using Python, scikit-learn, and pandas for actionable insights.
- Applied statistical analysis, feature engineering, and visualization to improve prediction accuracy.
- Developed end-to-end data pipelines including preprocessing, training, and deployment aligned with industry standards.

Web Developer Intern, CODTECH IT SOLUTION - Remote   May 2024 - July 2024
Tools & Technologies: HTML, CSS, JavaScript, React

- Engineered high-performance web platforms, achieving a 32% increase in responsiveness using HTML, CSS, and JavaScript.
- Designed adaptive React components, elevating UI efficiency by 45%, enhancing interactivity and user engagement.
- Integrated RESTful APIs, streamlining data exchange and reducing load times by 28%, ensuring seamless backend communication.

Projects

Perplexa, KIIT   Jan 2025 - April 2025

- Integrated Google OAuth With MongoDB-backed authentication and Captcha verification, ensuring **99.9% uptime**.
- Built a FAISS-based RAG With real-time web context, **reducing hallucination by 7%** and maintaining < **150ms latency**.
- Deployed via SSL-secured GitHub webhooks to Streamlit Cloud, scaling to **500 concurrent queries/min**.

Weather Forecasting Web Application, CODTECH IT SOLUTION   May 2024

- Developed a real-time forecasting system delivering instant weather insights across 10,000+ global locations, ensuring 99.8% uptime.
- Architected a scalable geospatial tracking platform with granular device positioning, seamlessly interfaced with dynamic atmospheric datasets.
- Enhanced deployment efficiency, launching on Netlify with 40% faster load times, optimizing user accessibility.

Instagram Reach Analysis, KIIT   July 2024 - Oct 2024

- Orchestrated a predictive model that boosted engagement accuracy by 27%, refining impression-frequency correlations.
- Implemented data visualization pipelines leveraging statistical trend analysis, heatmapping algorithms, and comparative chart frameworks, enhancing interpretability and boosting analytical efficiency by 40%.
- Uncovered audience behavior trends, leading to a 15% improvement in content strategy effectiveness through in-depth reach assessment.

Education

IIIT Bhopal, M.Tech in Data Science   August 2025 - June 2027

- **CGPA:** 8.52/10.0
- **Coursework:** Aritificial Intelligence, Data Warehouse Mining, Data Science, Mathematical Foundation of Data Science, Big Data, Machine Learning

KIIT University, B.Tech in Computer Science   August 2021 - April 2025

- **CGPA:** 8.64/10.0
- **Coursework:** Data Structures, DBMS, Computer Networks, Machine Learning, Cloud Computing, OS,OOPS

Certifications

- **Deloitte** - Data Analytics Job Simulation (Forage, September 2025)
- **Google** – Foundations of Data Science (Coursera, March 2024)
- **IBM** – Introduction to Web Development with HTML, CSS, JavaScript (Coursera, March 2024)
- **Devtown** – Google Drive Cloning Program (April 2023)
- **KIIT Model United Nations** – UNODC Committee (Participation, Dec 2021)