

Sahil Kadam

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PROFESSIONAL SUMMARY

Dynamic Electronics and Telecommunication Engineering graduate with expertise in embedded systems and data analytics. Proficient in conducting detailed data analyses to uncover trends and support strategic decisions, designing scalable systems for efficient performance and optimizing hardware-software integration for automation

EDUCATION

Bachelor of Technology (Electronics and Telecommunication Engineering) Pimpri Chichawad College of Engineering, Pune	2020 - 2024 Grade: 8.36/10.0
Intermediate (Class XII) Sanjay Ghodawat Junior College, Kolhapur	2019 - 2020 Grade: 75.38%
Matriculation (Class X) New English School, Ratnagiri	2017 - 2018 Grade: 95.8%

EXPERIENCE

Embedded Software Developer November 2024 - Present
Capgemini *Bengaluru*

- Developed and implemented custom SPI and I2C device drivers to improve communication speed and reliability between peripherals.
- Integrated and configured GPIO for digital input/output control in embedded applications.
- Gained hands-on experience with ARM Cortex-M3 and Cortex-M4 microcontrollers, focusing on embedded systems and peripheral interfacing.
- Used STM32CubeIDE for embedded development and Git for version control.

INTERNSHIPS

Front End Intern June 2023 - July 2023
Aigutech Technologies *Navi Mumbai*

- **Technologies:** React, Java (Servlets, JDBC)
- Developed interactive web interfaces using React, focusing on component-based architecture and state management.
- Gained experience in backend development with Java, implementing basic server-side functionality using Servlets and JDBC for database interaction.

PROJECTS

Hospital Management: Analyzing Patients, Doctors & Operations ([Github](#)) December 2024

- Created an interactive Power BI project to analyze patient visits, doctor performance, and departmental operations.
- Developed data models and implemented DAX measures to extract actionable insights and optimize hospital operations.
- Visualized patient demographics, wait times, doctor efficiency, and revenue metrics for data-driven decision-making.

IPL 2017 Auction Data Analysis for Royal Challengers Bangalore (RCB) using SQL ([Github](#)) October 2024

- Designed and executed SQL queries to analyze player performance and auction trends from IPL 2017.
- Extracted and altered data to identify top-performing batsmen, bowlers, and all-rounders based on key metrics.
- Performed price vs. performance analysis to recommend cost-effective players for RCB's squad.
- Utilized aggregate functions and joins to generate insights on auction spending patterns and team strategies

Analysis of Zomato Restaurants Expansion ([Github](#)) August 2024

- Conducted a comprehensive analysis of Zomato's restaurant growth trends and expansion strategies.
- Identified key development patterns and tactics for entering new markets. Analyzed variables affecting the establishment of new restaurants, such as market demand and location factors.
- Employed data analytics techniques to derive actionable insights for strategic decision-making in market expansion.

- Built a robust backend for an EdTech platform using the MERN stack.
- Designed and implemented user authentication, course management, and real-time data updates with Node.js and Express.js.

CERTIFICATIONS

Python Programming Udemy

January 2025

- Completed a comprehensive course covering Python fundamentals, object-oriented programming, and advanced concepts.
- Gained hands-on experience in building projects, automating tasks, and working with popular libraries like pandas and matplotlib.

Data Analysis Newton School

December 2024

- Completed intensive training in data analysis, focusing on statistical methods, data cleaning, and exploratory data analysis.
- Developed hands-on experience with tools such as Python, Pandas, and Matplotlib for extracting actionable insights from structured and unstructured data.

SKILLS

Computer Languages: Python, SQL, C, Java, SQL, Python

Data Tools: NumPy, Power BI, Power BI

Software Packages: Pandas, Matplotlib, Node.js, Excel, Express JS, MySQL, MongoDB, Excel

Additional Courses: Data Structure

Soft Skills: Decision-making, Critical Thinking, Presentation Skills, Communication Skills

Others: Spreadsheet, Analytics