

Mandar Sandip Kulkarni

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SUMMARY

Motivated Computer Engineering graduate with experience in machine learning, deep learning, and software development. Skilled in Python, SQL, and predictive modeling with projects in stock market forecasting and trading systems. Internship experience in AI/ML, strong academics, and IEEE conference research presentation.

EDUCATION

2021 - 2025	B.E. Computer Engineering, S.S.P.M College of Engineering, Kankavli	CGPA: 8.79
2019 - 2021	HSC Science, Kankavli College, Kankavli	
2018 - 2019	SSC, S M High School, Kankavli	

INTERNSHIPS

Edunet Foundation (AICTE Internship Program) Dec 2024 – Jan 2025

- Completed AI: Transformative Learning with TechSaksham internship focused on Human Pose Estimation using ML.
- Implemented real-time human movement detection and tracking using **Google MediaPipe**, **OpenCV**, and **Python**.

PROJECTS

Predictive Modeling of Nifty 50 Stock Market Bottoms 2024 - 2025

- Engineered stacked **LSTM model** achieving 92% accuracy in forecasting Nifty 50 market bottoms.
- Processed 18+ years of NSE data, applied technical & fundamental indicators, and visualized trends for investment strategies.

Stock Trading Software System 2023 - 2024

- Designed a web-based platform for learning stock trading concepts with chart patterns, candlestick analysis, and indicators.
- Built interactive modules covering education, calculators (risk/reward, quantity), and brokerage comparisons.
- Implemented clean UI/UX with sections for short-term, long-term, positional, and F&O strategies.
- Integrated stock exchange insights (NSE, BSE) and broker links (Zerodha, AngelOne, Upstox, Groww).

SKILLS

Programming	Python, Java, C, JavaScript, HTML, CSS
Databases	MySQL, Oracle
ML/AI Tools	TensorFlow, Keras, Scikit learn, OpenCV, Google MediaPipe
Developer Tools	GitHub, VS Code, PyCharm, AWS, Google Colab
Other	LaTeX, DSA, NLP, DL, Problem-Solving, Teamwork, Leadership

CERTIFICATIONS

Coursera	Crash Course on Python, Create Charts & Dashboards Using Excel
INFY Springboard	Python Foundation Certification
TATA Forage	Data Visualization
Talent Battle	Machine Learning Workshop
Spoken Tutorial (IIT Bombay)	Python, Java, MySQL, PHP & Linux

ACHIEVEMENTS & LEADERSHIP

- Autored and presented research paper titled *"Nifty 50 Forecasting Using Stacked LSTM"* at IEEE ICICI 2025.
- Secured 1st Rank in 2nd Year Computer Engineering; 3rd Rank in 1st Year & Semester 5.
- Recognized as Subject Topper in Analysis of Algorithms (AOA) and Data Warehousing and Mining (DWM).
- NSS Coordinator (2 Years): Organized community service initiatives, developing leadership skills.
- Student Convener, Virtuosic 2k25: Led SSPM's national-level technical fest, coordinating planning & execution.
- Managed college-level recruitment drive and inter-college cultural drama, enhancing team coordination.