

ANAGHA SRIKRISHNA  
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## OBJECTIVE

To advance my expertise in computer science through cutting-edge research and projects, focusing on AI, machine learning, and data-driven technologies.

## SUMMARY

- Computer Science undergraduate with research work in machine learning and data mining
- Proven experience in full-stack development and data science
- Demonstrated ability to lead large-scale technical initiatives.

## EDUCATION

**College of Engineering, Guindy, Anna University, Chennai, India**

CGPA - 9.63/10

**Bachelor of Engineering in Computer Science and Engineering**

July 2022 – Present

**Relevant Coursework:** Database Management Systems, Deep Learning, Data Mining, Operating Systems, Data Structures and Algorithms, Probability and Statistics, Linear Algebra, Object-Oriented Programming and Design

## SKILLS

**Languages:** Python, C/C++, Java, SQL, Bash/Shell

**Libraries & Frameworks:** PyTorch, Scikit-learn, OpenCV, NLTK, MediaPipe, Pandas, NumPy, Matplotlib, Seaborn

**Databases & Cloud:** MySQL, MongoDB, SQLite, AWS, Azure, Docker, Git

**Web & Tools:** HTML, CSS, JavaScript, React.js, Node.js, REST APIs, VS Code, Jupyter, Keycloak

## PROFESSIONAL EXPERIENCE

**Wells Fargo**

**Hyderabad, India**

**Intern Analyst**

June 2025-July 2025

- Designed a decision-support tool leveraging MCP to enable intelligent reasoning and adaptive automation processing 1000+ queries daily with 92% accuracy.
- Constructed knowledge graphs to extract insights from input data and recommend context-aware solutions through dynamic traversal.

**Indian Institute of Technology Madras**

**Chennai, India**

**Software Intern**

January 2024-June 2024

- Developed a notifier service using Python, SQL, and FastAPI with a 99% delivery success rate via email and Discord
- Developed the front end for a dashboard that records air quality using HTML and CSS
- Handled authentication and authorization of an application using Keycloak, managing 300+ user accounts

## RESEARCH WORK

**College of Engineering Guindy, Anna University**

**Chennai, India**

- **“Spatio-Temporal Analysis of Air Quality Disparities Across Urban and Rural India”** - Conducted spatio-temporal analysis of air quality across 5 urban-rural pairs in India using 2.5+ years of multi-pollutant data, machine learning, and clustering; developed a Pollution Disparity Index (PDI) to quantify AQI variations and inform policy.
- **“Automated Air Pollution Forecasting Using Time Series Models”**- Developed an automated air quality forecasting system for Chennai using SARIMA (outperforming ARIMA and Prophet), real-time data, and daily retraining, achieving 13.6% MAPE.
- **“AOI-Inspired Descriptive Rule Mining: Unlocking Insights from Non-Hierarchical Data”** - Adapted Attribute-Oriented Induction for non-hierarchical data to extract interpretable behavioral insights from Amazon Fashion Reviews.
- **“Weighted Ensemble Outlier Detection for Anti-Money Laundering”** - Developed a weighted ensemble for anti-money laundering detection, integrating statistical, density-, distance-, and graph-based models; achieved 92% sensitivity and 81% specificity on IBM AML dataset.

## ORGANIZATIONS

**Chairperson** ACM Student Chapter of CEG (**June 2025 - Present**): Led 66+ members; directed C.O.D.E. (770+ students, CUIC-recognized), curated Tech Talks, expanded CodeX, organized CodHer hackathon (330+), and revived Prodigy symposium (250+).

**Deputy Head of HR and Logistics** CSAU (Computer Society of Anna University) (**July 2024 – June 2025**): Managed recruitment and coordination of 40+ members, organized events/workshops, and streamlined communication across projects.