



Akshat C Kulkarni

B.Tech in Computer Science & Engineering

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Degree	University/Institute	Year	CGPA/Marks(%)
B.Tech in Computer Science & Engineering	Neil Gogte Institute of Technology	2027	8.02
XII (TGBIE)	Government Junior College	2023	92.30%
X (SSC)	DilshukNagar Public School	2021	10

SCHOLASTIC ACHIEVEMENTS

Awarded **Gold Medal** for securing the highest marks in school in the *National Level Science Talent Search Examination (2018)*.
Achieved a **perfect 10/10 GPA** in Class 10.
Secured **EAMCET Rank 8253** among **350,000+ candidates**, ranking highest from the college.
Ranked **4th in Intermediate College**, scoring **923/1000 marks**.

SKILLS

Languages: C++, C, C#, Python, Java.

Libraries: NumPy, Pandas, Matplotlib, Sci-kit Learn, Pytorch.

Tools & Technologies: Git, GitHub, Linux, MySQL.

Developer Tools: Visual Studio Code, Microsoft Office, Jupyter Notebook.

Core Areas: Deep Learning, Computer Vision, Database Management Systems, Natural Language Processing.

WORK EXPERIENCE

Aditi Net Solutions *June 2020 – May 2023*

Web Developer (Freelance Project)

- Designed and developed LabCommunity.org, a live web platform connecting product manufacturers with certified testing laboratories.
- Built core functionalities enabling laboratory registration, profile management, and manufacturer-lab discovery through search and categorisation features.
- Developed the website front end using HTML, CSS, and JavaScript, and handled backend integration and database connectivity for real-time listings.
- Oversaw website maintenance, updates, and user onboarding for three years, ensuring uptime and usability.
- Collaborated directly with clients to refine requirements, delivering a scalable and functional business solution that streamlined laboratory-manufacturer communication.

PROJECTS

QuizzyQuest – Android Quiz Application (Kotlin, Firebase)

- Developed a three-screen quiz app (Welcome, Questions, Score) featuring static and Firebase-based question handling.
- Designed logic for dynamic scoring, navigation, and UI interactivity.
- Implemented modular backend architecture with View Binding and data persistence for seamless question flow.

American Sign Language Detection (TensorFlow, OpenCV, MediaPipe)

- Trained a CNN model for ASL recognition using live webcam input.
- Integrated real-time hand tracking, gesture classification, and confidence-based filtering to enhance prediction accuracy.
- Optimized model inference pipeline for low-latency gesture prediction using GPU acceleration.

Tesla Stock Price Prediction (Python, Machine Learning)

- Built an LSTM-based time series model to predict Tesla stock closing prices.
- Preprocessed large datasets using Pandas and visualized trends via Matplotlib.
- Performed hyperparameter tuning and dropout regularization to improve model generalization and reduce overfitting.

RELEVANT COURSES

- Core Courses:** Introduction to programming, Algorithms, Data Structures and their Applications, Operating Systems, Theory of Computation, Discrete Mathematics for Computer Science.
- Math Courses:** Calculus I, Calculus II, Probability and Random Variables, Intro to Statistics, Elementary Linear Algebra, Differential Equations, Complex Variables
- ML Courses:** Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter Tuning, Regularisation and Optimisation, Structuring Machine Learning Projects, Convolutional Neural Networks (**DeepLearning.AI, Coursera**).

POSITIONS OF RESPONSIBILITY

- Nagara Sharerik Pramukh – Rashtriya Swayamsevak Sangh (RSS)** *June 2023 – Present*
Head of Physical Education for an area of **~90,000 families**, leading **training programs, fitness drives, and leadership camps** to promote **discipline, teamwork, and community engagement**. -run festivals, collaborating with external facilitators and **managing 100+ participants**.
- Street Cause E-force Coordinator** : Coordinated eco-projects like Srishti, Prakriti, and RFC 11.
- Team Lead, (Academic Projects)** : Directed all academic and professional projects, managing teams and deliverables.

EXTRACURRICULAR

- Achieved Black Belt in Karate, demonstrating discipline, focus, and strategic execution.
- Chess** enthusiast – Inter-University tournaments participant, Inter-College Chess Champion, Chess.com rating 1508