

ACHAL GAWANDE

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Computer Science and Engineering IIT (BHU), Varanasi	8.34	2026
TSBIE (XII)	Sri Chaitanya Jr. Kalasala	97.00	2022
CBSE (X)	Yavatmal Public School	95.60	2020
SKILLS			
<ul style="list-style-type: none">• Languages: C, C++, Python, Javascript• Tools and Frameworks: TensorFlow, Keras, Django, Spring Boot, HTML, CSS, Git, REST APIs, CI/CD• Cloud/Databases: MySQL, Google Cloud Platform, Docker, K8S• Areas of Interest: Machine Learning, LLMs, GenAI, Data Analytics, Data Structures and Algorithms			
INTERNSHIP/TRAINING			
Software Engineer Intern, Walmart Global Tech (Bangalore, India)		May 2025 - July 2025	
<ul style="list-style-type: none">• Integrated Distributed Tracing, enhanced debugging across services via traceparent propagation and header injection.• Onboarded multiple services to Wolly and OpenObserve by resolving broken instrumentation, missing headers, Java version mismatches, and legacy BOM conflicts.• Exposure: Distributed Tracing, Spring Boot, Microservices, Observability Dashboards, AdTech Systems			
AI Engineer Intern, Soul AI and Outlier (Remote)		Aug 2024 - Dec 2024	
<ul style="list-style-type: none">• Facilitated fine-tuning of state-of-the-art LLMs through Reinforcement Learning with Human Feedback (RLHF) by evaluating model outputs for reasoning depth and factual alignment.• Reviewed and authored high-quality data to improve model performance, reasoning, and factual accuracy.• Exposure: LLM Fine-tuning, Reinforcement Learning (RLHF), Prompt Engineering, Model Evaluation			
PROJECTS			
TransPAD-Cluster: Transformer-based Anomaly Detection using Clustering		Jan 2025 - May 2025	
<i>Under the guidance of Prof. Dr. Bidyuth Kumar Patra, IIT(BHU) CSE Dept</i>			
<ul style="list-style-type: none">• Proposed and implemented a model augmenting Transformer AutoEncoders with clustering-based sequence samplers (DP-Means, DPC, etc.) for anomaly detection in high-dimensional tabular data.• Designed pipeline integrating 12 clustering methods with automated hyperparameter tuning via GMM, KDE, and Bayesian Optimization, achieving State-of-the-Art AUROC (0.994) and AUPRC (0.889) on the LUNG-1vs5 dataset.• Exposure: Attention-based Anomaly Scoring, AutoEncoders, Unsupervised Clustering, Optimizers			
GPS Spoofing Detection Using Transformers		Sept 2024 - Dec 2024	
<i>Under the guidance of Prof. Dr. Om Jee Pandey, IIT(BHU) ECE Dept</i>			
<ul style="list-style-type: none">• Proposed a computationally efficient Transformer-based framework that captures both local and global dependencies in GPS signals for robust UAV spoofing detection.• Superior accuracy and computational efficiency compared to Bi-LSTM, ConvLSTM, and Nu-SVM.• Exposure: Deep Learning, Self-Attention Mechanisms, Anomaly Detection, Transformer Architecture.			
Contest Notifier		June 2024	
<ul style="list-style-type: none">• Developed a Linux application using GTK and Glade, with secure login via keyring, fetching data from an API to display contests and problems with filters for Codeforces, Codechef, LeetCode, Atcoder, and Spoj.• Added a custom button for profile, logout, real-time notifications, and packaged with PyInstaller for Linux.• Exposure: GUI Development, API Integration, Secure Credential Storage, PyInstaller.			
HONOURS AND ACHIEVEMENTS			
Competitive Programming			
<ul style="list-style-type: none">• Max rated 1983 on Leetcode with global ranking 458 in Biweekly Contest 133 (handle: codeKaiser)			
Capture the Flag, (COPS, IIT(BHU))		Jan 2024	
<ul style="list-style-type: none">• Top 5 in the second-year rankings. Jeopardy-type event primarily focused on cryptography, steganography, etc.			
Code with Maps, Google Maps Platform		Nov 2023	
<ul style="list-style-type: none">• Top 100 global ranking, in a WebDev and Google APIs hackathon with 2,600+ teams from 100+ countries.			

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