



Achal Gawande

Second Year

Bachelor of Technology

Computer Science and Engineering

IIT(BHU), Varanasi

/Aterolite24

Achal Gawande

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EDUCATION

- **Indian Institute of Technology (Banaras Hindu University)** 2023
Bachelor of Technology in Computer Science and Engineering CGPA: 8.31
- **Sri Chaitanya Jr. College, Hyderabad** 2022
Telangana State Education(XII) Board of Intermediate, Telangana Percentage: 97%
- **Yavatmal Public School, Yavatmal** 2020
Central Board of Secondary Education(X), Maharashtra Percentage: 96.4%

PROJECTS

- **StyleSage - an e-commerce website** Nov, 2023
Under the guidance of Prof. Dr. Amrita Chaturvedi, IIT(BHU) CSE Dept
Project link(<https://aterolite24.github.io/StyleSage/>)
 - Developed and implemented code for StyleSage's website, tested website features to ensure full functionality, created UX wireframes for client approval, and maintained codebase to match client specifications.
 - It involved technologies like HTML, CSS, and Javascript to reduce styling time by 33%, while simultaneously boosting website performance, resulting in a 20% increase in online transactions.
 - An authenticated backend using Django and SQL incorporates data validations to ensure user authentication and security.
- **X-Ray_PnemoDetect** Oct, 2023
Under the guidance of Prof. Dr. Sanjay Kumar Singh, IIT(BHU) CSE Dept
Project link(https://github.com/Aterolite24/X-Ray_PneumoDetect)
 - X-Ray_PnemoDetect enhances pneumonia detection through X-ray and object detection technology.
 - An optimized focal loss function addresses class imbalance for accurate results.
 - ResNet50's deep neural network structure improves object detection in varying shapes and sizes.
 - X-Ray_PnemoDetect accelerates pneumonia diagnosis for timely medical intervention and care.
- **PalPulse - An Interactive Biz ChatBot** Sept, 2023
Project link(<https://github.com/Aterolite24/PalPulse>)
 - PalPulse is an innovative and versatile business chatbot designed to enhance online communication and facilitate real-time money exchange.
 - It uses Google's Dialogflow as a Natural Language Processing model to identify and understand the user's intentions, improve customer satisfaction by 20%, and automate friendly customer service and support tasks.
 - When the server is initiated by the administrators on their PC, it employs port tunneling using ngrok to ensure a secure and efficient connection between the client and server.
 - One can click on https://t.me/PalPulse_bot to experience the efforts and value PalPulse offers.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python

Developer Tools: TensorFlow, Keras, PowerBI, Django, ReactJS, MySQL

Frameworks: Javascript, HTML, CSS,

Cloud/Databases: MySQL

Soft Skills: Communication, Team Collaboration

Coursework: Algorithms and Data Structures, Database Management Systems, Computer Architecture and Design

Areas of Interest: Machine Learning, Natural Language Processing, Data Analytics, Competitive Programming, Algorithms

POSITIONS OF RESPONSIBILITY

- **Co-ordinator,** 2024
Skill Development Council - IIT(BHU)
 - Spearheaded the recruitment process for entry-level candidates, showcasing proficiency in talent acquisition and ensuring a seamless onboarding experience for freshers.
 - Fostered collaboration with external councils to successfully execute impactful and well-coordinated programs.
- **Core Member,** 2023
Skill Development Council - IIT(BHU)
 - Working as a Student Guide at the Skill Development Council under Student Counselling Services
 - Contributed to Design as well as Content team of various events under Skill Council and SCS
 - like the Induction Programme for freshers, Speak Up, Winter BootCamp and ChitChat with Seniors.
- **Induction Mentor,** 2023
Student Counseling Services - IIT(BHU)

ACHIEVEMENTS AND CERTIFICATIONS

- **Capture the Flag - Certification** Jan, 2024
The Jeopardy-type event was primarily focused on exploring various topics like cryptography, steganography, etc. Achieved a position in the top 5 of the second-year rankings.
- **Google Maps Platform - Certification** Oct, 2023
The hackathon was mainly focused on WebDev and Google API's, contributed during the Development and Coding Phase, our team proudly secured a spot among the top 150.
- **Summer Analytics - Certificate of Excellence** July, 2023
It was a primer course in Data Science and Analytics by Consulting and Analytics Club, Indian Institute of Technology, Guwahati