

# AYUSH PREM

+91 8421283412 | [ayushpremrocks@gmail.com](mailto:ayushpremrocks@gmail.com) | [Portfolio](#) |  
[LinkedIn: ayushpremrocks](#) | [GitHub: ayushpremrocks](#)

## CAREER OBJECTIVE

Aspiring Computer Science Engineering student with hands-on experience in full stack development, machine learning, and competitive programming. Interested in contributing to impactful projects by building scalable web applications, AI-powered solutions, and data-driven systems.

## EDUCATION

### • Chandigarh University

Bachelor of Engineering in Computer Science & Engineering: CGPA: 8.01

2023 – 2027

Punjab, India

## TECHNICAL SKILLS

- **Programming Languages** : C/C++, Python, Java, JavaScript, HTML, CSS
- **Libraries & Frameworks** : FastAPI, Flask, React, Tailwind, Scikit-learn
- **Databases & Tools** : SQL, MongoDB, AWS, Docker, Git, Github, Jupyter Notebook

## PROJECTS

### • WhatsApp Chat Analyzer - Full-Stack Web Application

FastAPI, Pandas, NumPy, HTML, Tailwind CSS, JavaScript

[Currently Building]

- Developed a full-stack web application to parse and analyze exported WhatsApp chats, extracting key insights including top users, emoji usage patterns, conversation timelines, and word frequency analytics.
- Built RESTful APIs using **FastAPI** and created a responsive frontend with **HTML, Tailwind CSS, and JavaScript**; implementing data visualizations and automated report export functionality.

### • KGbot: AI-Powered Telegram Group Management System

Python, Telegram API, Google Gemini AI

[GitHub]

- Engineered an AI-powered Telegram chatbot using **Google Gemini** to enable intelligent group conversations with advanced automated group management capabilities.
- Implemented comprehensive administrative features including user moderation, automated warning systems, poll creation, and user management (ban, mute, promote, demote) serving 100+ active users.

### • MailGuard: Machine Learning Spam Detection System

Python, Scikit-learn, NumPy, Pandas, Natural Language Processing

[GitHub]

- Built an intelligent spam detection system utilizing **Natural Language Processing** and **TF-IDF vectorization** with multiple machine learning algorithms including **Logistic Regression, Random Forest, and XGBoost**.
- Optimized model performance through **GridSearchCV** hyperparameter tuning, achieving **98% accuracy** with real-time email classification capabilities processing 1000+ emails per minute.

### • Weatherly: Real-Time Weather Forecast Web Application

HTML, CSS, JavaScript, OpenWeatherMap API, Web Development

[GitHub] [Live Demo]

- Developed and deployed a responsive weather forecast web application using **OpenWeatherMap API** with location-based search and real-time weather data integration.
- Designed interactive data visualizations for temperature trends, wind speed, air quality index, sunrise/sunset times, and comprehensive hourly/5-day weather forecasts.

## ACHIEVEMENTS AND CERTIFICATIONS

### • Contest Ratings: [GeekForGeeks \(1626\)](#), [LeetCode \(1496\)](#), [CodeChef \(1422\)](#), [CodeForces \(1034\)](#)

### • 2nd Position, Code Quest 2.0, Chandigarh University

[Certificate]

### • Machine Learning: Contributor on Kaggle

[Profile]

### • Cloud Computing (NPTEL) Certification

[Certificate]

### • Certificate of Merit: 8-Week Machine Learning Course, AI Club, IIT Guwahati

[Certificate]

### • Certificate of Merit: 6-Week Data Science and Machine Learning, CAC, IIT Guwahati

[Certificate]

## RELEVANT COURSEWORK

Data Structures Using C++ | Advanced Data Structures & Algorithms | Python Programming | Software Engineering | Database Management System | Object Oriented Programming using Java