Ayush Prem

+91 8421283412   ayushpremrocks@gmail.com

LinkedIn | GitHub | LeetCode | CodeChef | CodeForces

ABOUT ME

I'm **Ayush Prem**, a passionate and driven second-year student at Chandigarh University. I actively work on **Data Structures and Algorithms** and **Competitive Programming** , regularly participating in contests to strengthen my problem solving skills. I build projects in **Web Development** and **Machine Learning**, combining practical application with continuous learning.

EDUCATION

• **Chandigarh University**   *2023 – 2027*

Bachelor of Technology in Computer Science Engineering; CGPA: 8.01   Punjab, India

TECHNICAL SKILLS

• **Programming Languages**: C, C++, Python, Java, JavaScript, HTML, CSS

• **Libraries & Frameworks**: React, Scikit-learn, NumPy, Pandas, Tailwind, Flask

• **Databases**: SQL, MongoDB

• **Tools and others**: AWS, Docker, Jupyter, Git/Github, MongoDB Atlas, Vercel, Render

PROJECTS

• **KGbot: AI Telegram Group Management Chatbot**

Python, Telegram API, Gemini   [GitHub]

◦ Developed an AI-powered Telegram bot using **Gemini** to enable smart group conversations.

◦ Improved **advanced group management features**, including user moderation, automated warnings, poll creation, and chat responses in real time.

◦ Added support for **administrative commands** such as banning, muting, unmuting, promoting, and demoting users.

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

HTML, CSS, JavaScript, OpenWeatherMap API   [GitHub] [Deployment]

◦ Launched a responsive web application providing real-time weather information using **OpenWeatherMap API**.

◦ Added interactive features that include location search, current weather, hourly and 5-day forecasts.

◦ Interactive visualizations designed for temperature, wind speed, air quality, and sunrise/sunset times.

• **MailGuard: Spam Detection System**

Python, NLP, Scikit-learn, NumPy, Pandas   [GitHub]

◦ Created a spam detection system using **NLP** techniques and **TF-IDF vectorization**.

◦ Implemented and compared **Logistic Regression**, **Random Forest**, and **XGBoost** models.

◦ Optimized **XGBoost** using GridSearchCV, achieving **98% accuracy** in email classification.

◦ Achieved a real-time spam detection module, enabling dynamic email classification.

• **Virtual Herbal Garden: Interactive Botanical Knowledge Platform**

HTML, CSS, JavaScript, GSAP   [GitHub] [Deployment]

◦ Built an interactive web platform featuring medicinal plants with **fluid animations** using **GSAP**.

◦ Designed a **responsive plant gallery** with detailed information about botanical properties, geographical details, and their uses.

ACHIEVEMENTS AND CERTIFICATIONS

◦ **Contest Ratings:** GeekForGeeks (max:1626), LeetCode (max:1466), CodeChef (max:1422), CodeForces (max:1034)

◦ **2nd Position**, Code Quest 2.0, Chandigarh University   *[View]*

◦ **Machine Learning:** Contributor on Kaggle   *[View]*

◦ Certificate of MERIT in 8-Week Machine Learning Course, AI Club, **IIT Guwahati**   *[View]*

◦ Certificate of MERIT in 6-Week Data Science and Machine Learning, CAC, **IIT Guwahati**   *[View]*