AMRITA CHATTARAJ

📞 +917908608731 | ✉ amritachattaraj01482@gmail.com | 🔗 LinkedIn | ⭘ GitHub | </> Coding Ninjas

Education

Chandigarh University, Punjab   **Sep 2021 – July 2025**
Bachelor of Engineering in Information Technology   *CGPA - 7.96*

Burnpur riverside School, Burnpur   **Apr 20219 – May 2021**
Intermediate   *Percentage - 95%*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Software Engineering

Experience

In-House Training in Computational Programming   **June 2023 - July 2023**
Chandigarh University   *In-Person*

- Acquired in-depth knowledge and practical skills to implement various algorithms(e.g., sorting, searching, hashing) and chossing the right data structure (e.g., arrays, lists, sets, maps) to optimize performance.
- Collaborated closely with team members to conceptualize, design, and execute a fully functional e-commerce website from the ground up, with a focus on creating intuitive user interfaces and integrating secure payment gateways.
- Integrated back-end functionalities using Django and SQLite to manage product listings, user accounts, and order processing. Utilized Django's built-in features, including ORM (Object-Relational Mapping) for database management and Django user authentication system to create a robust and scalable e-commerce platform.

Projects

Joom | *Getstream.io, Next.js, HTML, CSS, Tailwind, JavaScript* | *Project link* | ⭘ *Repo*   **Mar 2023 - Apr 2024**

- Architected and deployed a dynamic Real-Time Video Calling Web Application leveraging **Getstream** and **Next.js** .
- Facilitated group video calling with the capacity to host up to 7 participants concurrently in a video call.
- Enabled screen sharing functionality, allowing users to share their screen or specific windows with fellow participants.
- Implemented **real-time chat** features and **clerk** for authentication and user management functionalities.

Teutter | *HTML, CSS, Tailwind, JavaScript, Django, SQLite* | ⭘ *Repo*   **Dec 2023 - Jan 2024**

- Developed an end-to-end fully responsive social media Web application from scratch, equipped with fully functional features from Authentication to create post, delete post, interact with peoples.
- Implemented features such as secure user authentication, search functionality, user profile customization options and privacy settings giving users control over their personal information and interactions on the platform.
- Succesfully added a feature to track **users' IP Address** using **Django Signals** to enforce platform guidelines, enabling identification and blocking of users who violate policies, thereby enhancing platform integrity.

Talent-X | *HTML, CSS, JavaScript, Django, SQLite* | *Project link* | ⭘ *Repo*   **Oct 2023**

- Created a robust job portal platform, "Talent-X," facilitating seamless interaction between companies and job seekers.
- Implemented Django's built-in user authentication and authorization systems allowing users to register, log in, and manage their profiles and ORM to design various models for user' data.
- Integrated an advanced interactive job listing system based on different job categories, enabling employers to post job openings with detailed descriptions such as location, industry, and job type, portfolio.

Technical Skills

- **Languages**: C/C++(Beginner), Python, JavaScript, SQL.
- **Frameworks**: Node.js, Express.js, Restful APIs, React, Redux, Next.js, Django, Tailwind CSS, DRF.
- **Databases** : MongoDB, MySQL, Firebase, SQLite, PostgreSQL
- **Tools**: GIT/GitHub, PythonAnywhere, VirtualBox, Web, Docker, Visual Studio Code, Ubuntu.

Certifications

- **Introduction to MongoDB -** Coursera | *Link*
- **Django for Everybody Specialization -** Coursera | *Link*
- **Introduction to Java Programming: Java Fundamental Concepts -** Coursera | *Link*

Achievements

- I have scored 85 out of 100 in Introduction to Internet of Things conducted by IIT-KGP and earned Silver certificate.
- I have been member of CSI(Computer Society of India) for two years. Where I organized various coding competitions.