

Shreya Pahuja

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Chandigarh, India

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EDUCATION

Punjab Engineering College(Deemed to be University)

B.Tech in Computer Science Engineering

CGPA: 8.35 (As of 4th semester)

Chandigarh, India

2022-2026

Ryan International School

Chandigarh, India

Class XII-CBSE Score: 93.6%

2022

Class X-CBSE Score: 97.4%

2020

PROJECTS

DSA gamified practice site (with interactive elements) ([project](#)):

- Created and fully deployed a **MERN** stack project for practicing Data Structures and Algorithms concepts in a fun manner
- Integrated a *code editor* for users to submit solutions, a learning *roadmap*, and a *point-based reward system* for correct answers, *redeemable for certificates and tutorials*.
- Developed interactive visualizations for better understanding of data structures and included an AI chatbot for query resolution
- Enabled live chat functionality using **sockets** and **JWT** for authorization
- Utilized the **Gemini API** for the chatbot, with **MongoDB Atlas** for the database, Render for deploying the backend, and Vercel for deploying the frontend
- See preview of the project [here](#)

AI Chatbot for startup StockBets ([stockbets.in](#)):

- Successfully launched an AI chatbot utilizing multiple **OpenAI APIs**
- Developed a user interface using **React** which displays the chatbot
- Implemented **WebSockets** to enable seamless communication between the **Flask** backend and React frontend

Project to detect exoplanets in stellar light flux data ([team project](#)):

- Implemented various machine learning models, including Random Forest, on exoplanet datasets
- Achieved an accuracy rate above 90% and performed hyperparameter tuning for optimal performance
- Secured 2nd place in a college hackathon for this project

TECHNICAL SKILLS

- **Languages:** C++, Python, JavaScript, HTML, CSS
- **Web Development:** React.js, Node.js, Express.js, MongoDB
- **Computer Fundamentals:** OOPS, Computer Networks, Operating Systems, Data Structures, Algorithms, Database Management
- **Tools:** VS Code, Git, GitHub
- **Machine Learning:** Numpy, Pandas, Seaborn, Scikit-learn, Regression, Classification and Clustering Algorithms

ACHIEVEMENTS

- Won 2nd place in the Astronomix Hackathon conducted by ACM-CSS and ASPS societies at college ([see under Projects](#))
- Selected as one of 50 girls from management and engineering fields across India to attend the Women's Possibilities Summit Finale by Goldman Sachs
- Achieved a JEE Mains rank of 1939 out of over 1 million candidates
- Implementation Body Member of PEC ACM-CSS Society; Editorial Board Member of SAASC
- Selected as Trainee Class Representative from among 800 students at the Career Development and Guidance Centre, member of the Discipline Committee during Orientation, member of Event Coordination during Udaan and Pre-Placement Training
- Successfully participated in IIT Delhi MUN and Trivium XIV. Adjudicator in SFHS Policy Contention and DIS PDC 2023
- Was awarded merit-based scholarship during class 11 and 12 from among 300+ students

EXPERIENCE

Interned part-time with a startup as a trainee web developer (StockBets); project under [Projects](#)