Akhil Sharma

Mobile: 9729797873   **Email:** akhilsharma.pandit@gmail.com   **Github:** Jacousta   **Linkedin:** Akhil Sharma   **Portfolio** ☑

Education

- **Bachelors of Technology (Computer and Electronic)**
  Thapar Institute of Engineering and Technology,   *2021-25*
  CGPA: 7.73

- **CBSE (Class XII)**
  Siddharth International School,   *2021*
  Percentage: 95.4%

Work Experience

- **MRCC Transformation Solutions** | Software Development, Intern   **Onsite**-Noida | July 2024 - August 2024
  - Studied various AWS services such as **EC2, S3, RDS**, and **Lambda**.
  - Implemented solutions using AWS infrastructure and services.
  - Developed an Face Recognition Service using AWS Rekognition, AWS Lambda S3 and Dynamo DB.   Github ☑
  - Deployed a Frontend Project made in React on **EC2 Ubuntu Instance** for scaling opportunity in future.   Demo ☑
  - Problem-solving and troubleshooting skills in cloud environments.

Academic Projects

- **Thapar OLX** | MongoDB, Express.js, React.js, Node.js (MERN stack).   Github ☑ | Demo ☑
  - Implemented a college marketplace platform similar to OLX for buying and selling items within the campus community tested by over **40+ users**.
  - Users can list items for sale, browse listings, and communicate with sellers/buyers using listed phone numbers

- **BrainWave Modern UI/UX Website** | Vite, React.js, Tailwind CSS.   Github ☑ | Demo ☑
  - Features beautiful sections including hero, services, features, and pricing, enhanced by engaging parallax animations and intricate UI geometry increasing user engagement by **30%**.

- **House Price Prediction Model** | Linear Regression, Kneighbor, Decision Tree, Random Forest.   Github ☑
  - Developed a robust ML model for house price prediction using a diverse real estate dataset.
  - Conducted comprehensive exploratory data analysis (EDA) to identify correlations and trends.
  - Fine-tuned hyperparameters through cross-validation and evaluated model performance using metrics like Mean Absolute Error (MAE) and R-squared achieving R-squared **score of 0.97**.

- **Agrofinance-Blockchain-based Decentralized Loan Solution** | Ethereum blockchain, Solidity, Web3.js.
  - Currently working on a decentralized solution providing financial services to farmers' loan-based needs using blockchain technology **enabling 24/7** access to loans.
  - Implemented smart contracts and blockchain protocols to ensure transparency and security in financial transactions.

Skills

- **Languages:** Data Structures in C++ , HTML5, CSS, JavaScript, SQL.

- **Relevant Course Work:** Data Science, OOPS, DBMS, Computer Networks, Computer Architecture.

- **Framework and Libraries:** ReactJs, ExpressJs, NodeJs, Bootstrap, Tailwind, Pandas, Numpy, Seaborn, Matplotlib.

- **Databases:** MongoDB.

Achievements

- Completed Cisco Netcad Academy Cybersecurity Course   Certificates ☑

- Participated in Flipkart and Amazon Hackathons   Certificates ☑

- Solved more than **250** DSA Questions

- Awarded the scholarship by Thapar University for being top **10%** in my department.