

# Akhil Sharma

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## Education

- **Bachelors of Technology (Computer and Electronic)**  
*Thapar Institute of Engineering and Technology,* 2021-25  
CGPA: 7.9

## Work Experience

- **Scoreme Solutions Pvt Ltd** | Devops Engineer, Intern **Onsite-Gurugram** | Jan 2025 - Present
  - Developed comprehensive **DevSecOps** jenkins pipeline .
  - Performed **Multi Node** cluster Deployment using Kubernetes for **NIFI** with embedded **Zookeeper**.
  - Build Understanding of **SDLC** lifecycle and **ITIL** principles.
  - Automated Production level Deployment on EC2 with efficient space management with integrated **CD** in **jenkins** .
- **MRCC Transformation Solutions** | Software Development, Intern **Onsite-Noida** | July 2024 - August 2024
  - Developed streamlined troubleshooting skills in Cloud environments.
  - Worked with **EC2, S3, RDS** and **Lambda** AWS services and developed cost effective solutions.
  - Implemented solutions using AWS infrastructure and services.
  - Developed an Face Recognition Service using AWS Rekognition, AWS Lambda S3 and Dynamo DB. [Github](#) [↗](#)

## Academic Projects

- **Agrofinance-Blockchain-based Decentralized Loan Solution** | Ethereum blockchain, Solidity, Web3.js. [Github](#) [↗](#)
  - Developed 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.
- **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**.
- **Xeno CRM** | Next.js, Node.js, MongoDB, RabbitMQ, Firebase [Github](#) [↗](#) | [Demo](#) [↗](#)
  - Developed a **Mini CRM** and Campaign Management application with APIs for ingesting customer and order data, scalable audience segmentation using AND/OR logic, and secure Google-based authentication.
  - Built scalable backend architecture using a **pub-sub** model for data validation and asynchronous storage. Designed APIs for personalized message delivery with dynamic status updates and optimized batch processing.

## Skills

- **Languages:** C++, HTML, CSS, JavaScript, Python.
- **Relevant Course Work:** Cloud Computing, DSA, DBMS, OOPS, OS, Computer Networks, Deep Learning.
- **Framework and Libraries:** ReactJs, ExpressJs, NodeJs, Bootstrap, Pandas, Numpy, Seaborn, Matplotlib.
- **Databases:** MongoDB.

## Achievements

- Completed Cisco Netcad Academy Cybersecurity Course. [Certificates](#) [↗](#)
- Solved more than **250+** DSA questions. [Github](#) [↗](#)
- Awarded the scholarship by Thapar University for being top **10%** in my department.