

ADARSH KUMAR

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SKILLS

- **Programming Languages:** Python, Java, Javascript, C/C++, Bash/Shell Scripting, SQL, Solidity.
- **Web Dev:** MERN Stack Development, Microservices, MongoDB, PostgreSQL.
- **AI/ML:** Natural Language Processing (NLP), AI Agents, Langchain, Machine Learning, Deep Learning, Generative AI, Pandas, Scikit-learn, Numpy, Matplotlib, OpenCV.
- **Cloud & DevOps:** AWS Lightsail, Docker.
- **Cyber Security:** Burp-Suite, Nmap.
- **Tools & Libraries:** Socket.IO, Flask, Telegram SDK, Discord SDK, ElevenLabs, Mongoose, Git, Github.
- **Others:** Smart Contracts, ElevenLabs.

WORK EXPERIENCE

Hashedbit Innovation

Jun 2025 – Sep 2025

Full Stack Developer Intern

Gurugram, IN

- Developed and maintained frontend and backend features for a live e-commerce platform using React.js, Node.js, Express.js, and JWT-based authentication, including secure image uploads and role-protected APIs.
- Collaborated in an Agile team to debug, test, and optimize application performance, utilizing Git/GitHub, Postman, and Jira to deliver production-ready features on schedule.

Stealth Startup

Jul 2023 – Nov 2023

AI Engineer (contract based)

(remote) Florida, USA

- Engineered AI-drive solutions leveraging Retrieval-Augmented Generation (RAG) and integrated OpenAI API into Discord bot, scaled the bot to handle discord channel of 100's of users.
- Deployed AI service on AWS Lightsail, utilizing Docker for seamless deployment and Pinecone vector databases to improve data retrieval efficiency.

PROJECTS

ML Based Web Application Firewall | [Github](#)

Dec 2025

- Designed and implemented a machine learning based Web Application Firewall to detect malicious HTTP requests beyond traditional rule-based methods. Extracted and engineered features from web traffic and trained LogisticRegression model to identify attacks such as SQL injection and XSS. Integrated the ML model into a proxy-based request inspection pipeline for real-time detection.
- Tools & Tech: NLP, Brup Suite, Scikit-learn, Pandas, NumPy, FoxyProxy

NYX: A CLI Based Screen Aware Agent | [Github](#)

Jun 2025

- NYX is a screen-aware CLI AI agent designed to analyze on-screen content and provide context-aware assistance in real time.
- It has the ability to communicate via command-based as well as voice-based communication, enhancing developer productivity.
- Tools & Tech: Tesseract (OCR), OpenCV, ElevenLabs, Groq LLM

V-Doc: AI Medication Assistant | [Github](#)

July 2023

- Developed an AI-driven virtual doctor using Python and React.js, leveraging RAG (Retrieval Augmented Generation) with LangChain, OpenAI API, and Pinecone for efficient decision-making.
- Tools & Tech: OpenAI API, Langchain, Pinecone DB, React.js, Python

Colx: College OLX Platform | [Github](#)

Aug 2023

- A full stack website for college in which you will get 3 major features. 1: Here you can sell or buy 2nd hand things like notes, books or some electronic things to you collage mates. 2: You can post things which are lost by someone and 3: There will be a section in which you can post complaints regarding maintainance in hostel.
- Tools & Tech: Node.js, Express.js, React.js, MondoDB

Crop Trading System | [Github](#)

Jan 2025

- Developed a decentralized crop trading system using blockchain and smart contracts to enable direct transactions between producers and consumers, ensuring transparency and security.
- Tools & Tech: Smart Contracts, Solidity, Hardhat, React.js, Javascript, Node.js

EDUCATION

Dr. APJ Abdul Kalam Technical University | Lucknow, UP

2022 – 2026

B.Tech in Computer Science and Engineering

Relevant Coursework: Data Structures and Algorithms, Computer Networks, Operating Systems, Machine Learning Techniques, Software Engineering, Natural Language Processing, Database Management System, Object-Oriented Programming, Blockchain Architecture Design.