

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 <i>Full Stack Developer Intern</i>	<i>Jun 2025 – Sep 2025</i> <i>Gurugram, IN</i>
<ul style="list-style-type: none">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 <i>AI Engineer (contract based)</i>	<i>Jul 2023 – Nov 2023</i> <i>(remote) Florida, USA</i>
<ul style="list-style-type: none">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, utlizing Docker for seamless deployment and Pinecone vector databases to improve data retrieval efficiency.	

PROJECTS

ML Based Web Application Firewall Github	<i>Dec 2025</i>
<ul style="list-style-type: none">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	<i>Jun 2025</i>
<ul style="list-style-type: none">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	<i>July 2023</i>
<ul style="list-style-type: none">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	<i>Aug 2023</i>
<ul style="list-style-type: none">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 maintanance in hostel.Tools & Tech: Node.js, Express.js, React.js, MondoDB	
Crop Trading System Github	<i>Jan 2025</i>
<ul style="list-style-type: none">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 <i>B.Tech in Computer Science and Engineering</i>	<i>2022 – 2026</i>
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.	