

ADARSH KUMAR

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Versatile software engineer specializing in Python development, backend engineering, and AI-powered applications. Experienced in designing scalable systems, integrating machine learning models, building RESTful services, and deploying cloud-based solutions with a strong foundation in algorithms and software engineering principles.

EDUCATION

Dr. APJ Abdul Kalam Technical University Lucknow, UP	2022 – 2026
<i>B.Tech in Computer Science and Engineering</i>	CGPA: 8
Sarvajanik Vidhyalaya Daman Daman, Daman	2021
<i>Senior Secondary Education</i>	
Coast Guard Public School Daman Daman, Daman	2019
<i>Secondary Education</i>	

WORK EXPERIENCE

Hashedbit Innovation	Jun 2025 – Sep 2025
<i>Full Stack Developer Intern</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	Jul 2023 – Nov 2023
<i>AI Engineer (contract based)</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, utilizing Docker for seamless deployment and Pinecone vector databases to improve data retrieval efficiency.	

SKILLS

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

PROJECTS

ML Based Web Application Firewall Github	Dec 2025
<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, Python, Scikit-learn, Pandas, NumPy, FoxyProxy.	
NYX: A CLI Based Screen Aware Agent Github	Jun 2025
<ul style="list-style-type: none">Developed a screen-aware CLI AI agent capable of analyzing on-screen content and delivering context-aware assistance in real time. Enabled both voice-based and command-based interactions, improving developer productivity and usability.Tools & Tech: Tesseract (OCR), Python, OpenCV, ElevenLabs, Groq LLM.	
V-Doc: AI Medication Assistant Github	July 2023
<ul style="list-style-type: none">Built 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.	

ACHIEVEMENTS

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- 3-Star rated on CodeChef with 1600+rating.
 - Certified 5-Star rated in Python Programming, Problem Solving, Javascript and Java on HackerRank.
 - 1000+ rating on Codeforces.
 - Ranked among top 10% hackers on TryHackMe.
 - Gate CS 2026 & Gate DA 2026 Qualified.