SHUBHAM GAUR

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SUMMARY

Full-Stack Engineer with expertise in AI/ML, building secure, scalable applications, advancing reinforcement learning and cybersecurity. Seeking roles in full-stack development, AI, and research.

EDUCATION

B.E. Electronics & Communication Engg., MBM University, Jodhpur 2021 – 2025
PCM, G.S. jangid Memorial Public School, Jodhpur 2019 – 2021 (71.6%)

SKILLS

Programming:	C++, Java, Python, Rust, Embedded C, Solidity
Web Development:	HTML, CSS, JS, SQL, React, NodeJS, Django, NextJS, Postman
ML:	PyTorch, TensorFlow, Keras, Scikit-learn
Tools:	Bash, Sublime Text, VS Code, Vim, Intelli J
Other:	Ubuntu, Kali, VMs, Azure, Windows, Docker, Git, GitHub, AWS, Playwright, Arduino

EXPERIENCE

Software Development Engineer, Smartdocs Inc, Jaipur August 2024 – Present

- Developed and deployed 3 production applications and 2 proof-of-concept projects as a Full Stack & AI Engineer.
- Developed a real-time chatbot generating responses using NoSQL databases. achieving a 15% reduction in API latency by using parallel computing, and optimized LLM context tokens.
- Built an Thick client application using Electron Js that executes Playwright automation scripts on the client side, saving yearly Jenkins server costs around 100,000 INR.

Software Development Engineer, Anti.AI, Jaipur Mar 2024 – July 2024

- Led the development of the company's first Proof of Concept software release, securing 25,000,00 in VC lead investment.
- Developed and deployed platform-specific releases for desktop and browser, using React, Next.js, Electron, Material UI, and PostgreSQL, increasing cross-platform compatibility by 90%
- Contributed to team hiring, investor pitches (presented to three 3 investors), and created React pitch decks for investors.

Summer Research Intern, NIT Trichy Jun 2023 – Aug 2023

- Worked under Dr. Ghanshyam S. Bopche, contributing to Microsoft's CyberBattleSim project by (implementing DQL/PPO Learning Algorithms)
- Implemented reinforcement learning algorithms to simulate lateral movement attacks using Microsoft's CyberBattleSim.
- Co-authored a book chapter on the topic *"Cyberdeception for Detection of Lateral Movement in Enterprise Networks"*

PROJECTS

ANTI AI Website: : Built the company website (frontend and backend) and an internal HR management system, streamlining 6,000+ monthly applications with a 3-member team, reducing application friction threefold by offloading from LinkedIn.

CyberBattleSim (Microsoft): Refined neural network algorithms and enhanced simulation functionalities during a research internship.

Age Estimation with OpenCV: Developed a facial age estimation system using OpenCV, dlib, and TensorFlow.

TECHNICAL ACHIEVEMENTS

Finalist, National Entrepreneurship Challenge, IIT Bombay (2023) – Top 10/200 teams.

Participant, Techfest 2022, IIT Bombay (2022) – Robotics competitions (Cozmoclench, Mesmerize). Designed maze-solving algorithms for Raspberry Pi Pico using Arduino IDE and embedded C.

Participant, EYRC (2022) – Utilized Python libraries such as turtlesim, gained ROS expertise.

EXTRA CO-CURRICULAR ACTIVITIES

- Dev Volunteer, GDSC MBM (2022 – Feb 2023) – Participated in hackathons/ideathons, open-source contributions, and study pods (ML domain).
- Member, Entrepreneurship and Incubation Cell (Aug 2022 - March 23) - Worked in the startup cell of our university.