SHUBHAM GAUR

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SUMMARY

Full-stack engineer with experience in AI/ML. Developed secure web applications and integrating AI features Contributed to reinforcement learning research & cybersecurity. Seeking opportunities to build innovative and secure applications.

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, Arduino

EXPERIENCE

Software 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.

Software Developer, Anti.AI, Jaipur — Mar 2024 – July 2024
- Led the development of the core logic engine for the company's first POC software release, resulting in VC Lead investment of 2.5M.
- 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 pitching, and creating 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.
- Implemented reinforcement learning algorithms to model lateral movement attacks in cybersecurity.
- Co-authored a book chapter on *"Cyberdeception for Detection of Lateral Movement in Enterprise Networks"*

PROJECTS

ANTI AI Website: Built company website (frontend & backend) and Internal HR Management system (6000+ peak monthly applications with a 3-member team.

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, incubated startups and encouraging startup ecosystem in the campus.