

Abdul Rahim

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EDUCATION	Panjab University , Chandigarh College of Engineering and Technology Bachelor of Engineering (B.E.) in Computer Science and Engineering (CSE)	2020–2024 7.6/10
	Data Structures, Analysis and Design of Algorithms, Microprocessors, Operating Systems, Theory of Computation, Neural Networks, Advanced Database Systems, Computer Networks and Security (<i>see details</i>)	
PUBLICATIONS	Integrating Machine Learning into Cardiovascular Disease Risk Prediction: A Comprehensive Analysis of Cholesterol, Heart Rate, and Gender Impact on Disease Prevalence Presented at ICCNet UK, 2024. Will be published in Springer LNNS 2025	
EXPERIENCE & INTERNSHIPS	Linux Kernel Mentorship Program (Supervised by: <i>Shuah Khan</i>) (<i>see contributions</i>) • I was selected as one of the 47 developers globally to contribute to the Linux Kernel • Mitigated linear overflow vulnerabilities in the Linux Kernel, enhancing overall system security • Fixed a bug in kselftest, improving the debugging experience	Sept. 2024–present
	Software Developer Intern, Gemini Solutions Pvt. Ltd. • Designed and developed an Automated Report Generation system, reducing the time required to create client reports by 90% • Collaborated with cross-functional teams to debug client code, ensuring high-quality deliverables • Proposed novel solutions in the testing framework to meet client requirement	Jan 2024–May 2024
TRAINING	Data Science, National Institute of Technical Teachers Training and Research • Learned data preprocessing, model training, and evaluation techniques. Implemented linear, polynomial, decision tree, and random forest regression algorithms	June 2023–July 2023
SKILLS	Languages C, Python, Bash/Batch Scripting, C++, HTML, CSS, JavaScript, \LaTeX , C#, Asm, Ocaml, SQL, MATLAB Cloud AWS (EC2, S3, etc.), Docker, Terraform Linux Kernel module programming, custom Kernel compilation, systemd, cron jobs Technologies Git, gdb, GNU Make, Terminal editors (Vim/Emacs), Game Development (Unity Engine), ML-Agents (Unity), REST APIs, distributed ledgers, MongoDB N. Languages English, Hindi, Urdu, Punjabi	
PROJECTS	Game playing agent • Developed a space shooter game from scratch using the Unity engine. Created a Reinforcement Learning (RL) agent for the game, trained using “Proximal Policy Optimization” (<i>Github</i>) Web3 Decentralised Application (Dapp) • Developed a Dapp for secure content sharing on the internet. Implemented ownership via the ERC1155 token standard on the Ethereum blockchain (<i>Github</i>) Web interface for git repositories • An open source, light, and fast web-based git repository viewer based on stagit. Redesigned the UI, implemented syntax highlighting and language auto-detection (<i>Link</i>)	
VOLUNTEERING EXPERIENCE	United Nations Volunteers Program • Collaborated with the African Association of Entrepreneurs to successfully launch a social media campaign. Registered new members and initiated a fundraiser to support the association	July–August 2024
	Community-run effort • Participated in a community-run initiative providing free meals to patients and their families outside PGI Hospital, assisted in distribution and resource management to ensure efficient operations	June 2024–present