

DHARSAN B

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Chemical Engineering IIT (BHU), Varanasi	7.82	2026
CBSE (XII)	Maharishi Vidya Mandir Senior Secondary School	94.40	2022
CBSE (X)	Maharishi Vidya Mandir Senior Secondary School	92.80	2020
SKILLS			
<ul style="list-style-type: none">• Technologies: GitHub, VsCode, Docker, Kubernetes, KubeArmor, Inspektor-Gadget• Areas of Interest: Container Runtime Security, eBPF, Data Structures and Algorithms, Competitive Programming, Machine Learning• Languages: C++, C, GoLang , Python.			
PROJECTS			
OCI Hook to load AppArmor profile to a container		Aug 2024 - Sep 2024	
<ul style="list-style-type: none">• Worked with Linux Security Modules (AppArmor) to load an AppArmor profile onto a container using a precreate OCI Hook<ul style="list-style-type: none">-The AppArmor profile has security policies which are specified beforehand with KubeArmor, a CNCF Sandbox• Technologies:Docker, KubeArmor, Github• Security Modules:eBPF, AppArmor			
eBPF-Powered Kubernetes Audit Logging		May 2024- Jun 2024	
<ul style="list-style-type: none">• Created a Golang-based tool that uses eBPF to capture detailed audit logs of Kubernetes workloads (e.g., system calls, file access, network activity). Stored and analyzed these logs in Elasticsearch, a centralized system.• Skills: eBPF, Golang, Kubernetes, Logging.			
Predicting the battery life using AI models		May 2024- Jun 2024	
<ul style="list-style-type: none">• Implemented Support Vector Machine and XgBoost Regressor Model to predict the output current for an Electric car,<ul style="list-style-type: none">in the dataset containing input currents and phase value of current .• Using the percentage loss of current, predicted the battery life.• Achieved 96% accuracy.• ML Libraries: Support Vector Machine, XgBoost Regressor• Technologies: Python, Jupyter Notebook			
POSITION OF RESPONSIBILITY			
<ul style="list-style-type: none">• Academic Mentor at Students Counselling Services (SCS, IITBHU): worked with a team of 3 to conduct remedial classes to guide First Year students in the course CSO101 (Computer Programming) helping them with their academic doubts and preparation for examinations.• Spardha Informals Executive: worked with a team of 30 which was responsible for the management of stalls for the entirety of Spardha 23'			
HONOURS AND ACHIEVEMENTS			
Academic Achievements <ul style="list-style-type: none">• Achieved a rank of 8157 in JEE (Advanced) 2022 among more than 150,000 students all over India• Achieved a rank of 17631 in JEE (Mains) 2022 among more than a million students			

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