DHARANEISH V C

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PROFILE

Software Engineer with 1+ year of experience and expertise in C++, Python, full-stack, AI/ML, Cloud and DevOps, seeking a long-term SDE2 role to leverage technical, problem-solving, and interpersonal skills in driving innovative solutions and adding value to the organization while enhancing skills and advancing career.

EXPERIENCE

Amadeus Labs, Bengaluru — *SDE 1* — July 2024 – Present
- Developed core components in the airline platform using C++, Python, Angular, REST APIs, MariaDB and Linux scripts.
- Optimized the internal data monitoring tool by refactoring code and algorithms, improving performance and efficiency.
- Drove the cloud migration of core applications, enhancing scalability and reducing operational costs.

Amadeus Labs, Bengaluru — *SDE Intern* — Feb 2024 – June 2024
- Developed an ML-based tool to optimize system performance and reduce failure rates in booking reservation system using Python, Data Analytics, AutoML and Explainable AI.

Vivriti Capital, Chennai — *SDE Intern* — July 2023 – Aug 2023
- Designed and implemented a internal full-stack PDF reader tool for finance team using Python, Java, ReactJS to extract and display data from cloud-stored PDF documents in interactive web interface.

EDUCATION

Amrita Vishwa Vidyapeetham, Coimbatore	*BTech - Computer Science and Engineering*	GPA: 8.65/10 (Distinction)	2020-2024
CBSE, India	*Senior Secondary/Grade 12 - AISSCE*	%: 94.2% (School rank 2)	April 2020
CBSE, India	*Secondary/Grade 10 - AISSE*	%: 94.6% (School rank 3)	April 2018

TECHNICAL SKILLS

Programming: C, C++, Python, Java (5-Star Hackerrank) | Basics: Haskell, Go, Scala, R, ARM
Web Development: HTML, CSS, JavaScript, Typescript, ReactJS, Angular
DevOps & Cloud: Docker, Kubernetes, OpenShift, Jenkins CI/CD Automation, Helm, Azure Basics
Databases: MySQL, Oracle, MariaDB, NoSQL, MongoDB
Data Science, AI: Machine Learning, Deep Learning, Time series, NLP, Information retrieval
Big Data: Hadoop, MapReduce, Hive, Pig, Cassandra, HBase, Spark, Sqoop, MS Excel
Core Computer Science: Operating System, Computer Networks, Automata Theory, Compiler Design
Operating Systems: Windows 10, 11, Linux Ubuntu 22.04
Tools: Git, GitHub, Visual Studio Code, Eclipse, Jira, Confluence, Jenkins, Star UML, Figma

PERSONAL PROJECTS

AroygaSathi - Healthcare App: Developed predictive models for various disease risk prediction using various advanced ML, DL and interpretable AI techniques, achieving higher prediction accuracy.
Wikipedia Page View Forecasting: Analyzed time series trends, patterns & Applied time series models (Exponential average, ARIMA, Holt-Winters) for forecasting page views based on historical data.
Sentiment Analysis on Hotel Reviews: Built ML & NLP models to analyze sentiment from hotel review comments.
Online Canteen Management System: Designed and developed Full-stack web app using ReactJS, MongoDB for order management, cart functionality, table booking and user authentication.
College Placement Cell: Designed and developed Full-stack web system using OOPS-based Java backend, SQL database, and ReactJS for managing placement data and student profiles.
Hospital Management System: Developed modular C++ system with CRUD operations, password authentication and file management for patient records.

RESEARCH PUBLICATIONS

Comparative Analysis of Deep Learning and Machine Learning Methods for Network Intrusion Detection
- ICCCNT Conference 2023 @ IIT Delhi.

Enhanced Botnet Attack Detection using Machine Learning and Neural Networks
- ICICTS Conference 2024 @ Tribhuvan University, Nepal.