

# DHARANEISH V C

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## PROFILE

Software Engineer with 1 year of experience in C++, full-stack, and AI/ML development, 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

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|--|-------------------|----------------------|
| <b>Amadeus Labs, Bengaluru</b>   | <i>SDE 1</i>      | July 2024 – Present  |
| <ul style="list-style-type: none"><li>Contributed to R&amp;D airline reservation team with C++, Python, UI, Angular, REST API, MariaDB, cloud and Linux.</li><li>Updated and enhanced internal data monitoring tool by optimizing data structures and algorithms to improve performance.</li></ul> |                   |                      |
| <b>Amadeus Labs, Bengaluru</b>   | <i>SDE Intern</i> | Feb 2024 – July 2024 |
| <ul style="list-style-type: none"><li>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.</li></ul>  |                   |                      |
| <b>Vivriti Capital, Chennai</b>  | <i>SDE Intern</i> | July 2023 – Aug 2023 |
| <ul style="list-style-type: none"><li>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.</li></ul>  |                   |                      |

## EDUCATION

<b>Amrita Vishwa Vidyapeetham, Coimbatore</b>	<i>BTech - Computer Science and Engineering</i>	GPA: 8.65/10 (Distinction)	2020-2024
<b>CBSE, India</b>	<i>Senior Secondary/Grade 12 - AISSE</i>	%: 94.2% (School rank 2)	April 2020
<b>CBSE, India</b>	<i>Secondary/Grade 10 - AISSE</i>	%: 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, ReactJS, Angular, AWS 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, AWS, 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.  
**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.