

Dharaneish V C

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PROFILE

Software Engineer with 1 year of experience as AI/ML, full-stack & C++ Developer seeking a long-time SDE1 role to leverage technical, problem-solving & interpersonal skills to add value to the organization while enhancing skills and advancing career.

EXPERIENCE

- Amadeus Labs, Bengaluru** *SDE 1 (full-stack & C++ backend Developer)* July 2024 - current
- Part of R&D airline reservation team, Working on C++ backend, python, angular, REST API, cloud, linux
 - Updated and enhanced an internal data monitoring tool using optimal data structures and algorithms
- Amadeus Labs, Bengaluru** *SDE Intern (AI/ML Developer)* Feb 2024 - July 2024
- Built an ML-based tool to optimize reservation booking performance and reduce app component's failure rate using various ML & data models, Python, AutoML, Explainable AI and SQL
- Vivriti Capital, Chennai** *SDE Summer Intern (Full Stack Developer)* July 2023 - Aug 2023
- Built a full-stack PDF reader tool to extract, process, and display cloud-stored PDFs with interactive features on a web interface, using Python, Java, ReactJS, and AWS

EDUCATION

- Amrita Vishwa Vidyapeetham, Coimbatore** *BTech - Computer Science Engineering* 8.65/10 (Distinction) 2020-24
- CBSE, India** *Senior Secondary/Grade 12 - AISSCE* 94.2% (School 2nd rank) Apr 2020
- CBSE, India** *Secondary/Grade 10 - AISSE* 94.6% (School 3rd rank) Apr 2018

TECHNICAL SKILLS

- Programming:** C, C++, Python, Java (5 ★ Hackerrank)
- Basics of Haskell, Scala, GoLang, R lang, ARM assembly language
- Web Development:** HTML, CSS, JavaScript, ReactJS, Angular, AWS Basics
- Operating Systems:** Windows 10, 11, Linux Ubuntu 22.0
- SQL:** MySQL, Oracle, NoSQL, MariaDB
- Data science, AI:** Machine Learning, Deep Learning, Time series, NLP, IR
- Big Data:** Hadoop, MapReduce, Hive, Pig, MongoDB, Cassandra, HBase, Spark, Sqoop, MS Excel
- Core Computer Science:** Operating System, Computer Networks, Automata Theory, Compiler Design
- Tools:** Git, GitHub, Visual Studio Code, Eclipse, Jira, Confluence, Trello, AWS, Jenkins, Star UML, MS Office, Figma

PERSONAL PROJECTS

- AroyaSathi: Healthcare App:** Develop predictive models using various complex ML & DL techniques to predict the presence or risk of different diseases & Interpretable AI techniques based on various datasets
- ML-based Sentiment Analysis:** hotel review analysis, using various ML & DL predictive models, NLP Techniques
- Wikipedia page view analysis:** Analyzed time series trends, patterns & forecast Wikipedia page views using models like Moving, Exponential Average & ARIMA, seasonal ARIMA, Holt-Winters, Auto-ARIMA.
- Online Canteen management System:** Developed a full stack website for canteen management using MongoDB, ReactJS to do all CRUD operations, password-protected login, table booking, cart, order
- College Placement cell management:** full-stack web development project using OOPS Java backend SQL, ReactJS for placement cell.
- Hospital management System:** Developed a modular C++ project for patient management with CRUD operations and password-protected login, using OOP concepts, file management, & data structures

RESEARCH PUBLICATIONS

- Comparative Analysis of Deep Learning and Machine Learning Methods for Network Intrusion Detection
 - ICCCNT Conference 2023 @ IIT Delhi, doi: /10.1109/ICCCNT56998.2023.10308108
- Enhanced Botnet Attack Detection using Machine Learning and Neural Networks
 - ICICTS Conference 2024 @ Tribhuvan University, Nepal, doi: 10.1109/ICICT60155.2024.10544628