

Dhanaraj S

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"Design and develop high-volume, low-latency applications for mission-critical systems, delivering high-availability is what I love"

EDUCATION

KERALA TECHNOLOGICAL UNIVERSITY

B.TECH IN COMPUTER SCIENCE

June 2017-June 2021 | Kerala, IN
Rajiv Gandhi Institute Of Technology
Kottayam, Kerala
Cum. GPA: 9.6 / 10.0

SWAMIJIS HIGHER SECONDARY SCHOOL, KASARAGOD

June 2014- March 2016 | Kerala, IN
Cum. GPA: 10.0 / 10.0

LINKS

Portfolio:// [Dhanaraj S](#)
LeetCode:// [Dhanaraj S](#)
Github:// [Dhanaraj S](#)
LinkedIn:// [Dhanaraj S](#)

COURSEWORK

GRADUATE

Data Structures and Algorithm

Introduction to python

SKILLS

DSA

Top coder on LeetCode.
Leetcode , InterviewBit

SYSTEM DESIGN

I possess a deep and proactive passion for distributed systems. My commitment to continuous learning drives me to consistently enhance and optimize system efficiency.

PROGRAMMING

Well-versed in Object-Oriented analysis and the use of design patterns, like decorator, factory, etc.

Over 5000 lines:

Python • Java

Over 1000 lines:

C • HTML • CSS • Javascript

Familiar:

• Spring Boot • JUnit4 & Mockito • SQL
• MySQL • Postman • API Designing •
MongoDB • GIT

Cloud:

Cloud Technology • AWS • EC2 • S3 •
SQS • RDS

Soft Skills: Problem solving • Self starter.

• Work Independently • Team player. •
Critical Thinking. • Mentoring.

PROFESSIONAL EXPERIENCE

PRICEWATERHOUSECOOPERS | ASSOCIATE SOFTWARE DEVELOPER

Sep 2021 - Jan 2023 | Bengaluru, India

SpringBoot | Mockito | Postman

- **E-commerce:** Led the end-to-end back-end API development for a pivotal E-commerce platform. Streamlined the payment module, achieving a robust testing cycle using the JUnit framework. **Spearheaded** the application's deployment on AWS EC2, ensuring **optimal** uptime and performance. **Enhanced** system scalability by **strategically** incorporating load balancers. Achieved superior system flexibility through the successful decoupling of components using a message queue.
- **Hospital Management Application:** Pioneered the backend development of an innovative Hospital Management Application that revolutionized doctor-patient interaction. Transformed the medical appointment experience by enabling patients to secure slots effortlessly and allowing doctors to manage their schedules **50%** more efficiently. Took charge of the doctor module, ensuring a seamless user experience for healthcare professionals.
- **Automation using APIs and Python :** As part of a **time critical** business requirement, independently devised and executed a groundbreaking script that extracted and organized data into Excel with **100% accuracy**. Leveraged expertise in APIs, data structures, and algorithms, automating a complex task that resulted in a **100%** increase in processing speed and **eliminated manual intervention**. Mentored the team on the tech stacks and approaches used.

FREELANCE CODING & TUTORING

June 2017 -Present | India

- Personally devoted my **1500 hrs** in learning and and developing my **coding skills**. **Helped** and **guided** students in learning data structures and algorithms using python in a systematic way.

ACHIEVEMENTS

2020	National	Selected for YIC(A national level idea pitching contest)
2020	National	Selected for National Olympiad (first round)
2016	School	Full marks in PlusTwo(Kerala Higher Secondary Board Of Exam).

PROJECTS

E-commerce API Development | Sep 2021 – Feb 2022 | PwC ,India

- Backend API development for E-commerce Application. Used tech stacks like **SpringBoot, Mockito Framework, Postman, Azure DevOps, GIT.**

Personal Portfolio | Jul 2021 – August 2021 | Self

- Out of Passion and professional needs , created my portfolio site.
- Used tech stacks like **HTML, CSS, JS.**
- Integrated Contact Me section that was used to ping me personally in case the visitors wish to do so.

Detection Of Cancer Genome Using Bioinformatics| Jan 2021 – May 2021 | College Project

- Developed GUI that uses a machine learning model which accepts gene and variation and thereby predicts the class of cancer and any medication for the same.

CERTIFICATIONS

- **AWS Developer Associate**
- **NPTEL - Database Management System**
- **NPTEL - The Joy Of Computing Using Python**