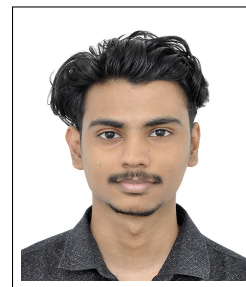# ANANTHAKRISHNA KP

Software Engineer

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Visa Status: Residence
Date of Birth: 09/02/2002
Nationality: Indian
Gender: Male
Languages: English | Hindi | Malayalam | Tamil

Professional Summary

Highly motivated Software Engineer and Computer Science graduate with hands-on experience in backend development, DevOps pipeline automation, and IoT projects. Proficient in Java, Spring Boot, and cloud technologies, with a proven track record of building scalable and efficient software systems. Skilled in CI/CD pipelines, database optimization, and microservices architecture. Strong collaborative and problem-solving abilities, complemented by multilingual communication skills.

Education

B.Tech Computer Science and Engineering   **CGPA:** 7.89

APJ Abdul Kalam Technological University, Kerala

SCMS School of Engineering and Technology, Karukutty

Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Operating Systems, Software Engineering, Computer Networks, Compiler Design, Artificial Intelligence

S.N. Vidya Bhavan, Chenntrapinni

12th CBSE: 81%   10th CBSE: 83%

Skills

Programming Languages: Java, Python, C, C++ (Basics), GO (Basics)
Tools and Platforms: Spring Boot, Jenkins, AWS, Docker, Kubernetes, Arduino, Git, Notion,IntelliJ IDEA,Postman,Maven, Photoshop
Soft Skills: Presentation Skills, Leadership Qualities, Teamwork, Communication, Adaptability
Certifications: Kodekloud - DevOps Engineer (ongoing), Udemy - Learn Python Programming Master Class
Achievements: Scored 77 marks in TCS IPA exam

Projects

Quiz Application Backend using Spring Boot   *Dec 2024*

- Developed a backend system for a quiz application using microservices architecture with Java and Spring Boot.
- Enabled functionalities to create quizzes, fetch questions, and compute scores from a PostgreSQL database.
- Implemented search functionality for questions and optimized database queries for better performance.
- Designed a scalable microservices architecture to support future application growth.

E-commerce Backend with Spring Boot   *Dec 2024*

- Built a backend system for an e-commerce platform with features supporting product management and updates.
- Supported functionalities like adding products, searching products, updating names, prices, and images.
- Utilized efficient RESTful APIs and integrated product image handling for a seamless user experience.
- Implemented robust data validation and error handling mechanisms.

Corporate DevOps Pipeline Project   *Oct 2024*

- Implemented a fully automated CI/CD pipeline using Jenkins, Docker, and Kubernetes.
- Resolved build warnings, ensuring smooth pipeline operation and a successful build.
- Used tools like SonarQube for code quality checks, Nexus for artifact storage, and Aqua Trivy for image security.
- **Key Learnings:** Hands-on experience in CI/CD, managing build warnings, and ensuring code quality and security in real-world scenarios.

Real-Time Water Quality Monitoring using ML and IoT   *May 2024*

- Developed a system using pH, Temperature, TDS, and Turbidity sensors with Arduino Uno for water quality analysis.
- Implemented a webpage to display current sensor readings and predictions.
- Delivered the project within a budget-friendly framework.

Private Cloud Implementation using Openstack   *Aug 2023*

- Built a private cloud server using Openstack, allowing for the creation of the primary server.

Library Management Web App   *May 2023*

- Developed a library management website featuring user and admin access, supporting functions like book issuing, returning, and availability tracking.

Learning

Front-End Development: Currently learning front-end technologies like HTML, CSS, JavaScript, and React to become a full-stack developer.

Activities

Placement Volunteer: Organized placement drives, facilitated recruiter-student communication, and ensured smooth placement activities.

Designed Brochures for College Events: Created visually appealing brochures to promote college events, enhancing student engagement.

Media Team Coordinator: Collaborated within the media team to effectively communicate and promote college events.

Active Member of Arts Club: Participated in artistic and cultural events, fostering creativity within the college community.