Ruturaj Dinesh Amrutkar

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Personal Summary

I'm a third-year Computer Engineering student at VIT Pune. Passionate about technology, I have a strong foundation in computer science and hands-on experience in various programming languages and frameworks. I am motivated by the opportunity to explore and embrace new challenges.

Work Experience

Full Stack Developer Intern   **(** 07/2024 – Current **)**
Layshala Lalit Kala Foundation, Pune, India

- Working on responsive user interfaces utilizing modern front-end technologies such as ReactJS.
- Troubleshooting technical issues related to software development life cycle.
- Designing database schemas to support efficient data storage and retrieval operations.
- Implementing RESTful API endpoints with Node.js and Express.

Python Developer Intern   **(** 06/2022 – 12/2022 **)**
LinkCode Technologies Private Limited, Pune, India

- Contributed as a Backend Developer.
- Attained valuable insights into organizational dynamics and workflow procedures.
- Contributed to the development of an Educational Video Streaming Platform in a live project.
- Synchronized efforts with team members to uphold uniformity in development practices throughout various projects.

Education

Vishwakarma Institute of Technology, Pune, India**,** Expected in 07/2026
BTech – Computer Engineering

- CGPA – 9.3
- Member of the Data Engineering Audit Course by Barclays.

Government Polytechnic Pune, Pune, India**,** 06/2023
Diploma – Computer Engineering

- Percentage – 93.47
- Cultural Secretary of COMeIT.
- Class Representative for 2 Years

Sri Sri Ravishankar Vidya Mandir, Pune, India**,** 07/2020
CBSE

- Percentage – 94.2

Technical Skills

- Programming Languages: Java, Python, C, C++, JavaScript.
- Web Development: MERN Stack (MongoDB, Express JS, React JS, Node JS), HTML, CSS, Bootstrap
- Database Management: Oracle, SQL Server, MongoDB
- Frameworks & Libraries: Django, React JS, Express JS
- Blockchain & Web3 Technologies: Solidity, Blockchain, IPFS, HardHat
- Mobile Development: Android Development
- Tools & Technologies: Git
- Data Structures & Algorithms
- Operating Systems: Windows, Linux

Projects

Workplace Wingman: Enhancing Indoor Autonomy for Efficient Workplace Operations

- Description: Autonomous system to optimize indoor workplace operations.
- Technologies Used: Arduino, L298n, Bluetooth, Ultrasonic Sensors, HTML, CSS, JavaScript, Django, Python.
- Key Contributions:
    - Set up and configured hardware components
    - Managed communication protocols and Python code simulation
    - Tuned car parameters and documented the project

C Language Data Structure Library

- Description: Comprehensive data structure library for C, similar to the Java Collection Framework.
- Technology Used: C
- Key Contributions:
    - Developed various advanced data structures
    - Authored detailed user documentation

Video Streaming Platform

- Description: Educational video streaming platform like Udemy.
- Technologies Used: HTML, CSS, JavaScript, Bootstrap, ReactJS, Python Django, MySQL
- Key Contributions:
    - Implemented backend using Django framework
    - Established and maintained database connections

NFT Marketplace

- Description: Decentralized NFT marketplace akin to OpenSea.
- Technology Used: HTML, CSS, JavaScript, Bootstrap, ReactJS, IPFS, Solidity, HardHat
- Key Contributions:
    - Wrote and deployed smart contracts for secure transactions
    - Implemented blockchain-based authentication

Languages

- Marathi - Native Language
- Hindi - Full Professional Proficiency
- English - Full Professional Proficiency

Certifications

Java 17 Masterclass Certification
- Comprehensive training on Java 17, covering advanced features and best practices.

Advance C Programming Course
- Advanced C programming concepts like Double Pointers, Recursion, Bit Manipulation, Macros, Signals.

Advanced Design Patterns: Design Principles
- Focused on higher-level design principles for creating reliable, flexible, and maintainable software.

Design Thinking: Data Intelligence
- Explored using modern data intelligence to enhance design processes and user experiences.

Programming Foundations: Design Patterns
- Introduction to essential design patterns for developing flexible and resilient software.

Soft Skills

- Analytical Thinking
- Problem-Solving
- Adaptability
- Time Management
- Teamwork & Collaboration
- Communication & Interpersonal Skills
- Attention to Detail
- Results-Oriented