VEDANT DAGADKHAIR

Mumbai, Maharashtra, India

📞 9372320543 ✉ dagadkhairvedant@gmail.com 💼 linkedin.com/in/vedant-dagadkhair 🐙 github.com/vedu111

Education

Mumbai University   **Sep. 2022 – May 2026**
Bachelor of Computer Engineering - 9.65 CGPA   *Mumbai, Maharashtra*

Relevant Coursework

- Data Structures
- Compiler Design
- Algorithms Analysis
- Database Management
- Operating System
- Computer Networks
- Systems Design
- Computer Architecture

Experience

Shastra Coding Club   **Sep 2023 - Present**
Problem Setter and Research Head   *Mumbai, Maharashtra*

- Designed and curated coding challenges covering various difficulty levels, enhancing problem-solving skills and fostering collaboration among members.
- Led research on advanced algorithms and data structures, developing innovative problem sets and mentoring members in competitive programming strategies.

Projects

QuesGenerator | *MongoDB, Express.js, React.js, Node.js (MERN Stack)*   **April 2024**

- Developed a web application for **TCET exams** to generate question papers from an uploaded question bank, streamlining the exam preparation process.
- Designed and implemented a custom algorithm for balanced question selection, ensuring fair distribution across difficulty levels and topics.
- Integrated a user-friendly interface for administrators to upload, manage, and generate question papers efficiently using MERN stack technologies.

Water Price Management | *MongoDB, Express.js, React.js, Node.js, Machine Learning (ML)*   **July 2024**

- Developed a web application for **Indore Municipal Corporation** to optimize water supply and pricing, improving resource allocation and cost efficiency.
- Implemented machine learning models to analyze water consumption patterns and predict optimal pricing strategies for different regions.
- Designed an intuitive user interface for authorities to monitor water distribution, adjust pricing, and make data-driven decisions.

Online College Magazine | *Java, Spring Boot, HTML/CSS*   **March 2024**

- Developed a web application enabling college students to upload and share research papers, books, and articles, fostering academic collaboration.
- Designed and implemented role-based dashboards for students, teachers, and admins, ensuring seamless content management and user access control.
- Built a secure and scalable backend using Spring Boot and Java, optimizing performance and data management for a smooth user experience.

Technical Skills

Languages: Python, Java, C, C++, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Git, GitHub, Postman, Docker, Kubernetes, CI/CD
Databases: MySQL, PostgreSQL, MongoDB, Firebase
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Load Balancing, Caching Strategies
System Design & Architecture: RESTful APIs, Microservices, Monolithic vs. Distributed Systems
Technologies/Frameworks: Linux, Bootstrap, Tailwind CSS, EJS, React.js, Next.js, Express.js, Node.js

Achievements / Extracurricular

- Achieved 3-star on **CodeChef**.
- Winner at **HACK'NDORE** 2024 (National Level Hackathon) organized by Indore Municipal Corporation.
- Ranked top 5 in Coherence 1.0 (AIML subdomain) organized by VCET.
- Attained global rank 423 in START 104 CodeChef Contest.
- Ranked top 100 in LeetCode Biweekly 129 contest.
- Finalist in Hackanova 3.0 2024, organized by TCET.