

SIMRAN BETAGERI

DEVELOPER

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LinkedIn: <https://www.linkedin.com/in/simran-betageri> | Github: <https://github.com/SimranBetageri>

LeetCode: https://leetcode.com/Simran_B/ | Portfolio: <https://simranbetageri.github.io/portfolio11/>

EDUCATION

Master of Computer Application(MCA)

09/ 2020 - 07/2022

Visvesvaraya Technological University

- Relevant Coursework: Data Structures and Algorithms, DBMS, Operating System, Backend development.

Bachelor of Computer Application(BCA)

07/2017 - 08/2020

KLE Society's RLSI College

- Relevant coursework Data Structures and Algorithms, DBMS, Operating Systems, Web development.

TECHNICAL SKILLS

- Technical Skills: Java, DSA, C++, HTML, CSS, JavaScript, ReactJS, NodeJS, EpressJS, MySQL, MongoDB, GIT, AWS,
- Soft Skills: Mediates, Resilient, Prioritization, Problem-solving, Code Quality

PROFESSIONAL EXPERIENCE

Airbus India Private Limited

12/2022 - 12/2023

Internship

- Accelerated HR recruitment processes, sourcing and screening 200+ candidates, achieving a 20% improvement in hiring efficiency.
- Enhanced system performance by 40% by optimizing data structures and algorithms across 10+ programming projects.
- Crafted robust web solutions using various technologies including JavaScript frameworks; achieved an impressive average response time under 200 milliseconds across five high-traffic platforms during performance evaluations.

Infynow Solutions Private Limited

5/2022 - 7/2022

Internship

- Implemented an emotional music player using the Haar Cascade algorithm, improving recommendation accuracy by 18%.
- Streamlined ML pipelines leveraging Python and Sublime Text, reducing testing time by 12%.

PROJECTS

1. Metaverse 2D Multiplayer Game with WebSocket Integration.

- Constructed an engaging 2D multiplayer metaverse game built on the MERN stack, allowing seamless real-time interaction via WebSocket technology while integrating secure user authentication using JWT protocols for improved data safety.
- Integrated RESTful APIs for space creation, element placement, and metadata updates.
- Containerized the application using Docker and deployed it on Kubernetes for scalability and resilience.
- Increased performance and scalability by 15% through optimized database queries and WebSocket clustering.
- Tech Stack: MongoDB, Express.js, React, Node.js, Socket.io, JWT, Docker, Kubernetes

2. Real-Time Chat App with AI Assistant.

- Designed and launched a chat application with AI-powered suggestions and translations, improving response efficiency by 30%.
- Implemented E2EE security and voice-to-text features, achieving a 20% increase in daily active users.
- Tech Stack: React.js, Node.js, GPT-4 API, WebSocket, Docker, Kubernetes.

3. AI-Powered Environmental Impact Analyzer

- Built an AI-driven web app to analyze the environmental impacts of products, increasing user engagement by 20%.
- Developed machine learning models for sustainability scoring and deployed the app on AWS for scalable performance.
- Tech Stack: React.js, Node.js, Express.js, MongoDB, TensorFlow, AWS.

HONORS AND AWARDS

- Project Excellence:** Awarded for delivering high-impact projects with zero-defect deployment.
- Open Source Contribution:** Acknowledged for contributing code to community-driven software tools.
- Certifications:** Full-Stack Development by BossCoders, Superhuman AI Workplace Proficiency Certification