Avi kumar

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS
Frameworks: React.js, Spring Boot, Node.js, Tailwind CSS
Tools: Redis, MongoDB, MySQL, Postgres, Firebase, Elasticsearch, RESTful APIs, Microservices
Platform: Docker, Postman, Git, Railway, IntelliJ IDEA, Figma, Jira
Soft Skills: Object-Oriented Programming, Data Structures Algorithms, Exception Handling, Multithreading, Software Design Patterns, Database Design

EXPERIENCE

Times Of India   April 2025 – June 2025
Full Stack and AI/ML Developer   *New Delhi*
- Pioneered ImageGuard ▶, a **full-stack web application** for secure image handling; integrated user authentication and **watermarking** features, while achieving a **99% accuracy rate** in intelligent detection using machine learning algorithms.
- Crafted an interactive dashboard displaying **real-time analytics** using React and Python, enabling product managers to identify user drop-off points and improve conversion rates by 15%.
- Integrated machine learning models, improving ImageGuard's forgery detection accuracy by 85% through rigorous testing and hyperparameter tuning, achieving zero false positives on a controlled dataset of 500 images.

PROJECTS

MindScribe ⌂ | *Java 17+, Spring Boot, React, Maven, MongoDB, Redis, SonarCube, Postman, Railway*
- Architected a secure, full-stack journal application employing **Java Spring Boot**, **MongoDB, Redis** and a responsive **React frontend**, enabling users to digitally record over 100 private entries.
- Built scalable **microservices backend** using Java Spring Boot with **JWT authentication**, demonstrating software design principles and supporting 1,000+ concurrent users with optimized algorithms.
- Implemented efficient **data structures** with MongoDB Atlas and Redis **caching**, improving **API response times by 45%** through Strategic thinking and performance optimization.

DevConnect ⌂ | *Spring Boot 3, JWT, React.js, Tailwind CSS, JS, PostgreSQL, Elasticsearch 8.11.1, Maven, Docker*
- DevConnect is a scalable developer **social platform** built with **Spring Boot 3** and React.js, supporting **JWT authentication** and full-text search via **Elasticsearch 8.11.1**.
- The platform features **6+ layered MVC architecture** with **PostgreSQL database** and **infinite scroll** pagination for Improved performance.
- Frontend leverages React.js with Tailwind CSS and Highlight.js for syntax highlighting across 50+ programming languages, ensuring **responsive user experience**.

Netflix-GPT ⌂ ⊕ | *React, Vite, Firebase Authentication, Tailwind CSS, Node.js, OpenAI GPT API, Mock Data*
- Pioneered the integration of **OpenAI's GPT API** with the React.js frontend, creating an **intelligent system** that improved content generation **speed by 4x** and reduced manual writing hours by 300 weekly.
- Responsive UI components with Tailwind CSS and Enhanced Firebase database queries, resulting in **40% faster page load times** and seamless cross-device user experience **across 5+ screen sizes.**
- Applied software design principles to architect **secure authentication system** with protected routes, achieving 95.9% uptime through efficient debugging and **optimization techniques**.

EDUCATION

Bennett University   2022-Present
*Bachelor of Science in Computer Science (**GPA: 8.75 / 10**)*   *Greater Noida, U.P.*

ACHIEVEMENTS

- **Competitions:** Secured **2nd Rank in EY CAFTA Case Championship Mega Edition 2024** (Round 1) and 4th rank in Final Round.
- **Innovation Recognition:** Awarded two **state-level** and -2pt **national-level Science Exhibition awards at IIT-DELHI**, showcasing real-life Issue resolution and technical expertise.
- **Contributed** to innovative tech solutions as a participant in the **Google Developer Groups (GDG) on Campus Solution Challenge India 2025.**
- **Open Source:** Earned the **Pull Shark Badge** on GitHub for active open source contributions.
- **Professional Certification:** Completed Introduction to **Front-End Development and React Basics from META**.
- **Conference Publication:** Research paper "Student Style" **accepted at ICRAET-2024** on 06th Jun 2024 at Munnar, India.
- **Technical Training:** Successfully completed the Python Essentials 1 Course by **Cisco Networking Academy**.