

VIVEK DEVKAR

+ 91 7350250725 | vivekmdevkar@gmail.com | Jalna, Maharashtra | MyPortfolio

PROFILE SUMMARY

Software Engineer with a track record of developing scalable, high-impact solutions. Skilled in problem-solving, collaboration, and driving innovation. Passionate about building inclusive and efficient software to support data-driven decision-making. Eager to contribute to cutting-edge data analytics solutions in a dynamic, growth-focused environment.

WORK EXPERIENCE

Backend Development intern @Pivony

[Jan 2024 – July 2024]

- Designed and deployed a scalable ETL pipeline on AWS using Python, Amazon S3, and Amazon EC2, optimizing data extraction, transformation, and storage to improve data ingestion efficiency by 100%. Integrated API-based data pipelines to automate data flow between cloud services.
- Automated EC2 workflows and optimized cloud infrastructure, implementing scheduled jobs and resource scaling to reduce manual intervention by 20+ hours per week and enhance deployment efficiency across distributed systems.
- Developed and deployed a secure Node.js API for Puppeteer-based web scraping, managing end-to-end server operations including API hosting on EC2 instances using PM2. Implemented rate limiting and security best practices to prevent abuse and ensure high availability, while optimizing load balancing and performance monitoring.

PROJECTS

SalesBot - Voice-Based Real-time Seller Simulation

- Developed and deployed an AI-driven voice assistant using Natural Language Processing (NLP) and Twilio API, enabling real-time customer interactions with 85% response accuracy and <600ms latency, improving customer support efficiency by 30%.
- Designed and implemented a user behavior tracking system, leveraging event-driven data processing and Redis-based real-time caching to analyze engagement patterns and optimize personalized recommendations.
- Enhanced response time and system performance by implementing Retrieval-Augmented Generation (RAG) for context-aware responses, along with parallel processing and asynchronous API handling, reducing latency by 50%.

Vidya Sangam - Stream of Knowledge Converge to Empower Minds.

- Built an AI-powered mentorship platform utilizing Large Language Models (LLMs) for intelligent mentor-mentee matching with 90% accuracy, increasing engagement for 200+ students.
- Architected and implemented a scalable cloud-based system supporting 1,000+ users, integrating RESTful APIs, LinkedIn Authentication API, and Calendly API for seamless scheduling and progress tracking.
- Optimized recommendation algorithms using context-aware AI models and data-driven analytics, improving match precision, reducing onboarding time, and enabling adaptive learning techniques for personalized mentorship.

CodeCollab - Real-time Collaborative Code Editor

- Developed a cloud-based real-time code editor with WebSocket-based low-latency communication, supporting multi-user coding sessions and syntax highlighting to enhance collaborative development.
- Designed and implemented advanced conflict resolution algorithms, integrating version control logic and real-time merge strategies, reducing code conflicts by 95% and improving collaboration.
- Built a secure authentication and session management system with role-based access control (RBAC), incorporating auto-save, recovery mechanisms, and real-time progress tracking, improving code reliability and team productivity.

SKILLS

- Programming Languages:** Python, Java, C, C++, JavaScript, HTML, CSS
- Frameworks & Libraries:** Django, Flask, Node.js, React.js, RESTful APIs, Bootstrap
- Databases & Storage:** MySQL, PostgreSQL, DynamoDB, Redis
- Development Tools:** AWS (EC2, S3, RDS), Cloud Computing, CI/CD Pipelines, Docker, WebSockets, Git, GitHub, Unix/Linux, Postman, JIRA, Twilio
- Coursework:** Object-Oriented Design, Data Structures & Algorithms, Operating Systems, System Design

Achievement

- Ranked 1st in BITS Goa Hackathon**, showcasing problem-solving and software development skills.
- Two-time winner of inter-college coding competitions** focused on Data Structures and Algorithms (DSA).
- Solved 500+ DSA problems on LeetCode**, strengthening algorithmic and coding proficiency.

EDUCATION

Yeshwantrao Chavan College of Engineering (YCCE), Nagpur

[April 2025]

Bachelor's of Technology : Computer Technology

ADDITIONAL LINKS

LeetCode LinkedIn GitHub