Vivek

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[LinkedIn](#) | [Website](#) | [Leetcode](#) | [GitHub](#)

EDUCATION

Chandigarh University, Punjab, India   2021 - 2025

- Bachelor of Engineering (B.E.) in Computer Science with Specialization in Big Data Analytics

EXPERIENCE

Software Developer   08/2025 - Present

iPredict Data Labs Pvt. Ltd. | Aalgorix   Noida

- Owned the **end-to-end development and deployment** of an AI-enabled web platform, architecting **cloud-native infrastructure on AWS**, containerizing services with **Docker,** and automating releases via **CI/CD pipelines**, while building interactive **React.js** and **Three.js** frontends and scalable **backend APIs** to support AI-driven workflows for **8,900+ concurrent users.**
- Architected and operated **cloud-native infrastructure on AWS**, containerizing services with **Docker** and orchestrating deployments using **Kubernetes**, ensuring **96.7% uptime**, high availability, and horizontal scalability in production.
- Designed and optimized **PostgreSQL databases** and automated **CI/CD pipelines**, reducing **deployment time by 60%**, **doubling the release frequency**, and enabling reliable, fast iteration across the full application stack.

Software Developer Intern   09/2023 - 10/2023

Bhaskaracharya National Institute for Space Applications and Geo-Informatics (BISAG-N)   New-Delhi

- Engineered high-performance web applications utilizing **Spring Boot** and **MVC frameworks**, leading to improved load times by 30% and enhancing user experience for over 2,000 daily active users.
- Coordinated efforts among cross-functional groups to **optimize database queries**, resulting in a reduction of query execution time by over two minutes per transaction on critical processes within the web applications.

TECHNICAL COMPETENCIES

- **Languages**: C/C++, JavaScript, HTML, CSS, Python, Java
- **Cloud & DevOps***:* AWS, Docker, Kubernetes, VPS, CI/CD, Git, GitHub
- **Databases & Data Systems**: PostgreSQL, MongoDB, SQL, Oracle, Vector Databases
- **Frameworks & Libraries**: Node.js, React, Redux, Express.js, Spring Boot, Spring MVC, Three.js
- **Tech Stack***:* MERN, RESTful APIs, Microservices
- **AI & Data***:* Machine Learning, NLP, Vectorization, Data Structures & Algorithms

PROJECTS

Real Time Object Detection | TensorFlow, Deep Learning, Python   [Project Link](#)

- Achieved an object detection accuracy of **over 85%** on the COCO dataset while processing video frames at a speed of **30 frames per second** using TensorFlow's optimized models.
- Successfully deployed the model on a cloud platform, enabling real-time detection for up to **10 concurrent video streams**, with a processing latency of less than **100 milliseconds** per frame.

Resume Analyzer | Generative AI & NLP   [Project Link](#)

- Developed an **AI–powered resume analysis system** that parses resumes, evaluates **ATS compatibility**, and generates **role-specific, recruiter-style improvement suggestions** using NLP and large language models
- Implemented **resume-to-job matching** with **vector embeddings** and **Retrieval-Augmented Generation (RAG)** to perform accurate skill gap analysis and deliver context-aware feedback.

Sahand Estate | React, Redux, Node.js, Express and MongoDB   [Project Link](#)

- Developed a full-stack real estate application using the **MERN** technology suite that enhanced property listing management; reduced update time on new rentals by an average of two hours each day.
- Engineered a comprehensive **CRUD** functionality for property listings, enabling seamless updates, image uploads, and effective management through user profiles.