

# Arjun Pratap

Full Stack Developer (MERN) | Generative AI Engineer

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## PROFESSIONAL SUMMARY

Full Stack Developer with 3 years 3 months of experience designing, developing, and deploying scalable web applications using the MERN stack (MongoDB, Express.js, ReactJS, Node.js). Strong backend focus with expertise in REST API design, database optimization, cloud deployment on AWS, CI/CD automation, and performance tuning. Hands-on experience integrating Generative AI solutions using OpenAI APIs, LLMs, and agentic workflows to automate business processes and enhance user experience.

## TECHNICAL SKILLS

**Frontend:** ReactJS, JavaScript (ES6+), HTML5, CSS3, TailwindCSS, Bootstrap

**Backend:** Node.js, Express.js, ASP.NET Core, REST APIs, JWT Authentication

**Databases:** MongoDB, PostgreSQL, MySQL, SQL Server

**Generative AI:** OpenAI API, LLMs, Prompt Engineering, LangChain, Agentic AI

**Cloud & DevOps:** AWS (EC2, S3), Docker, GitHub Actions, CI/CD

**Tools:** Git, GitHub, Postman, Linux, VS Code

## PROFESSIONAL EXPERIENCE

### Software Developer – Full Stack (MERN + GenAI)

NIIT Ltd

Sep 2022 – Present

- Designed and developed full stack MERN applications used by 1,200+ active users across internal and client-facing platforms.
- Built and maintained scalable REST APIs using Node.js and Express.js, handling over 10,000 API requests per day.
- Implemented secure authentication and authorization using JWT and role-based access control.
- Optimized MongoDB queries and indexing strategies, reducing average API response time by 30–35%.
- Integrated Generative AI features using OpenAI APIs for chat, summarization, and automated content generation, reducing manual operational effort by 40%.
- Designed backend workflows for AI-powered services using prompt engineering and LLM orchestration.
- Containerized applications using Docker and implemented CI/CD pipelines with GitHub Actions, reducing deployment time by 40%.
- Deployed and managed applications on AWS EC2 and S3, ensuring 99.9% uptime and production stability.
- Collaborated with frontend, QA, and product teams to deliver features end-to-end following Agile practices.
- Participated in code reviews, debugging production issues, and improving overall code quality and maintainability.

## KEY PROJECTS

### AI GitHub Profile Analyzer

MERN Stack, OpenAI API

- Built an AI-powered platform to analyze GitHub profiles using LLM-based summarization and scoring.
- Designed REST APIs to fetch, process, and analyze repository data at scale.
- Implemented backend optimizations and caching mechanisms, reducing response latency by 60%.
- Deployed the application on AWS with Dockerized services.

### Blog Management Platform

MERN Stack

- Developed a full-featured blogging platform with CRUD operations and JWT-based authentication.
- Implemented role-based access for admin and users, improving platform security.

- Designed MongoDB schemas and optimized queries to support 5,000+ daily API requests.

#### **Internal Workflow Automation Tool**

Node.js, OpenAI API

- Developed AI-assisted automation tools to summarize documents and generate insights.
- Integrated OpenAI APIs to automate repetitive operational workflows.
- Improved internal productivity by reducing manual processing time by 35%.

## **EDUCATION**

### **Bachelor of Technology (B.Tech) – Computer Engineering**

Mumbai University

2018 – 2022

CGPA: 7.3 / 10

## **CERTIFICATIONS**

AI-Powered Applications with OpenAI & LangChain – Coursera

Docker & CI/CD Fundamentals – Online Certification

## **ADDITIONAL INFORMATION**

Open to Full Stack, Backend, MERN Stack, and Generative AI roles. Comfortable working with global and remote teams.