VIVEK NATH TIWARI

+91-6209464451
viveknath62094@gmail.com
Bettiah, Patna, Bihar, India

| GitHub | Portfolio | LinkedIn |

SUMMARY

Versatile and results-driven developer skilled in full-stack development, API integration, and data-driven web solutions. Expanding expertise in machine learning with hands-on experience in model development and intelligent system integration. Focused on performance, collaboration, and continuous innovation.

EDUCATION

Dr. A. P. J. Abdul Kalam Technical University, Uttar Pradesh
Masters of Computer Applications (MCA)
Aug 2023 – Present | CGPA: 8.55/10 (3rd Sem)

Patna University, Patna College, Bihar
Bachelors of Computer Applications (BCA)
Jul 2019 – Dec 2022 | CGPA: 8.71/10

TECHNICAL SKILLS

- **Languages:** C, Python, SQL, JavaScript, TypeScript
- **Web Technologies:** HTML5, CSS3, Bootstrap, Tailwind CSS, React.js, Next.js, Node.js, Express.js
- **Databases:** MongoDB, MySQL, PrismaDB
- **Tools & Platforms**: Git, VS Code, Streamlit, Clerk, TensorFlow, Scikit-learn
- **Other Skills:** RESTful APIs, API Integration, Agile Development

EXPERIENCE

Machine Learning & Web Development Trainee
KarvaTech Solutions (in collaboration with SmartData Enterprises, Mohali), Lucknow
Feb 2025 – June 2025

- Developed and trained machine learning models including classification, regression, and NLP tasks using Python, Scikit-learn, TensorFlow, and Keras.
- Performed data preprocessing and built prediction pipelines.
- Applied NLP and deep learning techniques to create intelligent, real-world applications.

Full Stack Developer Intern
KarvaTech Solutions Private Limited, Lucknow
Sep 2024 – Mar 2025 (Paid Internship)

- Developed responsive websites and a dynamic product catalog for various Industries (CCC) to improving user experience and online visibility.
- Built a custom Student Portal for LBSIMDS, streamlining academic workflows and data management.
- Contributed to automation projects using modern JavaScript frameworks, optimizing performance and scalability.

PROJECTS

FitFussion – AI-Powered Lifestyle Tracker
AI-driven health and lifestyle web app to help users track habits, manage wellness, and receive personalized guidance.
Technologies: Next.js · TypeScript · Tailwind CSS · Prisma ORM · MySQL · Express.js · Clerk Auth · Gemini API

- Clerk Authentication (public/private routing, social login)
- AI Chat Coach using Gemini 2.0 Flash for personalized advice. Dashboard with mood tracking, habit analysis, and progress insights.
- Meal & Workout Generator tailored to user goals.
- Daily Goal Testing module with self-assessments and reflection prompts.
- Fully Responsive UI with Tailwind CSS & Framer Motion animations

HireMind - AI-Powered Career Coach
A Career Management Platform with AI Integration
Technologies: React.js, Tailwind CSS, Gemini API, NeonDB, Clerk

- Built a career coach web app with job suggestions, market trends, mock interviews, resume, and cover letter builders.
- Technologies: React.js, Tailwind CSS, Gemini API, NeonDB, Clerk

Pragati Quotation Generation System
A full-stack web application to generate custom quotations dynamically

- Developed a dynamic quotation system with image insertion, product editing, and toggleable pricing options.
- Implemented secure user authentication with Flask-Login and MongoDB.
- Built PDF upload, parsing, and AI-powered content analysis using pdf2image and OpenAI API.
- Created real-time PDF generation with ReportLab.
- Deployed the app using Docker for consistency and scalability.

WhatsApp Chat Analyzer
Machine Learning-based Chat Analysis Tool
Technologies: Python, TensorFlow, Scikit-learn, Streamlit

- Developed an analytical tool for WhatsApp chats, offering sentiment analysis, word frequency, and user behavior insights.