Abhishek Kumar Mohanty

9304659521 | abhishekmohanty7325@gmail.com | LinkedIn | GitHub

Education

- **Indian Institute of Technology Patna (CPI: 8.68)** — Bihta, Patna
  Bachelor of Science in Computer Science and Data Analytics — *Aug 2023 – Aug 2027*

- **Netaji Subhash Public School (PCM: 91%)** — Jamshedpur
  Senior Secondary — *Aug 2020 – May 2022*

Experience

- **Capstone Project Leader** — Mar 2024 – Jun 2024
  IIT Patna — *Bihta, Patna*
  – Led a team of 5 to deliver a successful capstone project.
  – Presented to professors from IIT Patna and IIIT Allahabad, showcasing innovation.

- **Research Intern** — May 2025 – Present
  IIIT Agartala — *Agartala, Tripura*
  – Research on Brain Tumor Detection using hybrid optimization under Dr. Parijata Majumdar.
  – Integrating GWO with ELM for feature selection and classification.
  – Using Decision Tree and Random Forest classifiers; aiming for SCI/IEEE publication.

Projects

- **BlogSphere** / *MongoDB, Express.js, React, Node.js, Firebase* — Mar 2025 – May 2025
  GitHub   Live Demo   Video Demo

  – Secure login with Google OAuth, JWT authentication, and email verification.
  – User profiles with Cloudinary-powered image upload and customization.
  – Create, edit, and publish blogs using rich EditorJS with media support.
  – Interactive features: likes, nested comments, and follower system to boost engagement.
  – Optimized backend architecture following MVC pattern for maintainability.
  – Responsive UI ensuring seamless experience across devices.

- **Medical Report Analyzer** / *Flask, EJS, Tailwind, LangChain, GenAI* — May 2025
  GitHub

  – Analyzes patient medical reports using LLaMA via Groq API and LangChain.
  – Accepts PDFs and generates structured diagnostic summaries.
  – Responsive, user-friendly UI with smooth report interaction.

- **PingMe – A Social App** / *Node.js, Express, MongoDB, React, TanStack Query, Tailwind* — May 2025
  GitHub   Live Demo   Video Demo

  – Real-time chat and video calls with friend system.
  – JWT auth with secure onboarding and protected routes.
  – 32 UI themes with responsive and mobile-friendly design.

Achievements

- **Hacktoberfest 2024**: 8 merged PRs; 900+ contributions; 100+ days GitHub streak.

- **CodeChef**: Rating 1300+ in competitive programming.

- **DevSprint Winner** @ IIT Patna (Mar 2025): 1st place for "HomeThing" project. Project Link

Technical Skills

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R
Frontend: React, Tailwind CSS, TypeScript, TanStack Query
Backend: Node.js, Express.js, Django **Databases:** MongoDB, MySQL
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, JWT, Socket.io
Libraries: pandas, NumPy, Matplotlib