

Vatsal Kumar

+91- 7004295597 | kumarvatsal34@gmail.com | [linkedin.com/in/vatsal](https://www.linkedin.com/in/vatsal) | github.com/krVatsal

EDUCATION

Motilal Nehru National Institute of Technology Allahabad, Prayagraj	CPI: 7.13(till 3rd semester)
<i>Bachelor of Technology in Chemical Engineering</i>	2023 – 2027
Saraswati Vidya Mandir	Percentage: 92.4
<i>12th, Central Board of Secondary Education, Bihar</i>	2022
ISMA Public School	Percentage: 86.6
<i>10th, Central Board of Secondary Education, Bihar</i>	2020

EXPERIENCE

Avicen AI - <i>Live</i>	June 2024 – Feb 2025
<i>Tech Intern</i>	<i>Prayagraj, MNNIT</i>
<ul style="list-style-type: none">Developed frontend for Cograd's Shark Tank-featured website using Next.js and MongoDB, improving performance by 35%.- <i>Live</i>Built a real-time AI chatbot using NLP and Express.js to enable seamless natural language interactions.Engineered a robust backend for a health consultancy app using Node.js, REST APIs, Sockets, and Express, streamlining user workflows -<i>Github</i>	
Nostavia Health Pvt. Ltd. - <i>Live</i>	Jan 2025 – Present
<i>Tech Intern</i>	<i>Prayagraj, MNNIT</i>
<ul style="list-style-type: none">Developed a full-stack healthcare platform using Next.js 14, Node.js, MongoDB, and 25+ REST APIs, serving 1000+ users with <100ms API latency.Integrated Google Gemini (AI reports), Microsoft Graph (Teams meetings), and PhonePe (secure payments).Developed 40+ reusable components, implemented JWT & Google OAuth, and deployed on Azure with 99.9% uptime (HIPAA-compliant).	

PROJECTS

Chanet- <i>Live, Github</i> <i>NextJs, ExpressJS, MongoDB, Gemini 2.0, Kaggle API, Sockets.io</i>
<ul style="list-style-type: none">Engineered a high-performance full-stack web application using NextJS and ExpressJS, achieving 96 Lighthouse and 100 SEO scores, optimizing both speed and discoverability.Auto-generated ML model code and optimized parameters using Gemini 2.0 and Optuna.Integrated GitHub OAuth and enabled one-click .ipynb downloads with Kaggle-powered dataset recommendations.
LegalAI- <i>Live, Github</i> <i>Next.js, Node.js, MongoDB, Docker, Tesseract.js, LangChain, ChromaDB, Cloudinary</i>
<ul style="list-style-type: none">Automated legal document review, reducing analysis time by 80% through AI-driven clause extraction, summarization, and risk flagging.Built a contextual chatbot with >92% accuracy, enabling semantic document Q&A & PDF exports of chat history.Delivered an optimized web app with 99 Performance, 100 Accessibility, 96 Best Practices, and 100 SEO scores.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, HTML, CSS
Developer Tools: Git, VS Code, Arduino IDE, REST APIs, GitHub Actions (CI/CD), Docker, Kubernetes
Frameworks and Libraries: React, Next.js, Express.js, Django, Tailwind CSS, Bootstrap, Socket.io
Cloud and Databases: MongoDB, Azure VM, Neo4J, Google Cloud Run
AI/ML: Scikit-learn, TensorFlow, NLP, ANN, CNN, RNN, LSTM, Federated Learning

POSITIONS OF RESPONSIBILITY

- Developed and launched the **Udbhav event website**, increasing student registration efficiency by **40%**
- Coordinated and executed the farewell event for a large-scale farewell event with **1100+ attendees**
- Headed both the creative and technical teams for **Botrush'25**, Robotics Club MNNIT

ACHIEVEMENTS

- Finalist, SynthQuest'25 – Tryst'25, IIT Delhi (Top 10 nationwide) March 2025
- 6th out of 190+ teams in Webster'24 organised under CodeSangam in Avishkar'24-25 November 2024
- 3rd Position in CodeIndrome - Rasayans, Avishkar 2024 March 2024
- 3rd Position in Force Secure under Botrush, Robotics Club(Hardware+Software challenge) January 2024