My name is shubham kumar, i am 24 years old, living in a small city Aligarh. Since the childhood i was curious about technology and computers, i was a hacky gamer and tech enjoyer, i remember hacking games, trying new softwares, modding operating systems and gadgets.   
Then when i was in high school i started to look tech and computer as a career, and decided to be a CS grad, but as i passed my 12th, i took admission in B.tech in Mechanical Engineering, as my parents told me that CS is too clustered and i wont get any job later on, so i had no other option but to continue with the ME, later when i was in my 3rd year i started getting interest in Embedded systems and robotics, and following that i built my final year project,” ai enhanced dual axis solar irradiance tracker” following the interest in embedded in the next step i started learning machine learning, spend 6-7 learning about it then did my first internship as a deep learning intern, it went for 4 months then i joined as machine learning engineer (current position)

When i started the job, i get to work on multiple projects and models, of possibily every domain that exist in machine learning, for the first 8-9 months in the company i worked on these models and improving algorithms, then i switched to building, internal softwares and agentic workflows for the company to use. And this is what i am doing currently.

My major interest is in building softwares using machine learning and AI workflows, which is unique and problem solving, later on i would like to explore and gain some knowledge in robotics and agentic workflows for Game development.   
  
  
SUMMARY Shubham Kumar +91 7302487854 • shubhambpn1234@gmail.com • GitHub • LinkedIn Machine Learning Developer with experience in full-stack AI systems, NLP, and graph analytics. Fo cused on building scalable models, real-time APIs, and leading impactful technical projects across applied domains. SKILLS Machine Learning & AI • Model Development– CNNs, Transfer Learning, Image Segmentation, OCR, Layout Analysis, RNN, Langchain, Transformers,LLM’s • MLTools & Frameworks– TensorFlow, PyTorch, OpenCV, Scikit-learn Backend & API Engineering • WebFrameworks– FastAPI, Flask, Django • API Design & Deployment– REST APIs, Postman, GitHub Actions, Docker • Data Handling– SQL, Pandas, ETL Pipelines Full-stack & Infra • Frontend Development– React.js, JavaScript, HTML/CSS • Infrastructure– Docker, Embedded Linux, AWS, GCP • Version Control & CI/CD– Git, GitHub, GitHub Actions EXPERIENCE Qriocity Venture PVT LTD. Machine Learning Developer Remote 2024.03–Present • Spearheaded end-to-end development of ML-driven products, combining model design, API inte gration, and backend systems using Django, Flask, and FastAPI. • Built and deployed real-time ML pipelines integrated with embedded systems for hardware-software interoperability. • Ledteamof 4MLengineers on multiple parallel projects — ensured timely delivery, mentoring, and code reviews. • Worked on blockchain-based security systems and AI-powered cybersecurity tools to enhance in frastructure protection. Firellama Technologies PVT LTD. Deep learning Internship Remote 2023.12-2024.02 • Image Segmentation: Fine-tuned MobileNetV2/V3 with SegNet decoder for pixel-wise semantic segmentation of tables in document images. • Table Recognition: Built system to extract and structure tables into Excel format, preserving layout. • Layout Analysis: Developed a multi-table layout detection pipeline for document images. • Multimodal Approach: Combinedsegmentation, layout analysis, and OCRtoresearchaproduction ready ML pipeline. • API Deployment: Developed RESTful APIs with FastAPI/Flask for seamless client-server deploy ment. EDUCATION Vivekananada College of Technology and Management Bachelor of Technology in Mechanical Engineering 2019.03–2023.02 • Final Year Project: “Adaptive Dual-Axis Solar Tracking Framework for Dynamic Solar Irradiance Optimization” • View Project Presentation PROJECTS VIEW ALL PROJECTS PageYatra • PageYatra is a locally hosted, AI-powered web development environment that bridges the gap between creativity and code. With a simple prompt, generate fully functional React components, preview changes in real-time, and craft professional websites effortlessly. • View on GitHub View Demo FraudSight: A Fraud Detection Framework using Llama2 NLP and Neo4j Graph Analytics • Developed a multi-modal fraud detection system combining Llama2’s NLP capabilities with Neo4j’s graph-based relationship modeling. • Extracted contextual features from unstructured financial text (transaction notes, logs) using Llama2 to enhance detection signals. • Modeled and queried transaction networks in Neo4j to uncover hidden fraud rings through relation ship and cluster analysis. • Deployed a real-time fraud alerting pipeline with adaptive learning and rule-based filters to reduce false positives and track evolving patterns. • View on GitHub Demo(WIP) Interactive Stock Market Visualization and Forecasting Dashboard using Apache Superset, MySQL, and RNN-based Predictive Modeling • Built an interactive stock analysis dashboard using Apache Superset connected to a MySQL database containing historical data of companies. • Engineered custom visualizations including line, bar, candlestick, and scatter charts to analyze price trends, volume spikes, and correlation patterns. • Integrated RNN-based deep learning models to forecast future stock prices, enhancing the dash board with predictive capabilities. • Implemented dynamic filters and metrics for investors to explore time-based trends, volatility indi cators, and inter-stock correlations. • View on GitHub View Demo EXTRACURRICULARS Filmsaaz 2025, CEC AMU, Aligarh Technical Assistant– International Film Festival 2025 • Provided technical support for film screening and live judging panels during a large-scale interna tional film festival. • Handled A/V logistics and real-time coordination with event and operations teams. Sportify 2025– Sir Syed Hall (North) AMU, Aligarh Event Incharge and Core Team Organizer 2025 • Spearheaded event planning and team coordination for the Annual Common Room Fest with mul tiple cultural and sports activities. • Led logistics, volunteer delegation, and real-time event handling on ground. Generation Nothing– India Official Community Member 2024- Present • Active member of the official Indian community by Nothing, engaging in tech events, community testing, and brand collaboration discussions