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 superpower is the versatility, and the ability to learn and adapt to new technologies easily.

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 I would like to persue A MBA in future.

One misconception, my coworkers have is that I can do things easily without having to struggle with debugging and stucking on same thing on and on.   
  
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