

# Mayank Kumar

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## EDUCATION

- Noida Institute of Engineering and Technology** Greater Noida, India  
*Bachelor of Technology - Electronics and Communication* 2020 - 2024

## SKILLS SUMMARY

- Programming & Scripting:** Python, Java, JavaScript
- Web Development:** HTML, CSS, React.js, Flask
- Cloud & Containerization:** AWS (EC2, S3, IAM), Docker, Kubernetes, CI/CD Pipelines
- Database & Tools:** MongoDB, MySQL, Pandas, NumPy, MS Excel, Power BI, ETL Pipelines
- Test & Automation:** Selenium, Pytest, Git/GitHub, Web Scraping
- Soft Skills:** Leadership, Team Collaboration, Problem Solving, Communication

## EXPERIENCE

- Virtualways Technologies** Bangalore, India  
*Software Developer* June 2024 - Present
  - Designed and developed **full-stack applications** for **SMEs and MSMEs**, building scalable and efficient digital solutions that improved business operations. Integrated **React.js, Flask**, and **REST APIs**, leading to a **30% improvement in processing efficiency**.
  - Built automated **data pipelines** using **Python** and **Pandas**, enabling seamless data processing and **real-time insights**. Optimized workflows to reduce **data handling time by 40%**, improving overall system efficiency.
  - Developed **AI-powered automation bots** utilizing **Large Language Models (LLMs)** with a **Flask-based backend**, streamlining customer interactions and reducing **manual query resolution by 50%**.
- CURD Network** Bangalore, India  
*Software Engineer Intern* February - April 2024
  - Developed **Python-based web scraping bots** using **Selenium** to extract and aggregate **100,000+ records** from **5+ websites**, improving data acquisition efficiency by **40%**. Implemented **error handling and debugging workflows** to ensure data consistency.
  - Built **robust data validation pipelines** to maintain the accuracy of **100,000+ user records**, enhancing system reliability and scalability by **25%**. Contributed to the platform's **initial user base growth** and seamless onboarding and engagement.
- GREYB Pvt Ltd** Chandigarh, India  
*Research Analyst Intern* September 2023 - February 2024
  - Conducted in-depth analysis of **Standard Essential Patents (SEPs)** and **Prior art** projects within the 5G domain, ensuring compliance and novelty assessment.
  - Generated detailed reports and streamlined the analysis process for **5+ high-priority projects**. In addition, managed knowledge sharing platforms and collaborated with teams to document updates.

## PROJECTS

- Customer Response Bot (AI-Powered Customer Service Solution):** Led **product strategy and development** for an AI-driven **customer response bot**, defining **feature sets** based on **customer pain points**. Conducted **competitive analysis** on existing chatbots, influencing **feature prioritization decisions**. Designed and optimized **AI intent recognition**, improving **first-response accuracy by 25%**. **Collaborated with students** to integrate chatbot insights into customer experience workflows, reducing **support costs by 20%**. Conducted **A/B testing on chatbot responses**, improving **customer satisfaction scores by 15%**.
- Robnett Technologies (Full-Stack Startup Website):** Created a full-stack responsive website using **Django, REST APIs, HTML, CSS, JavaScript** and **Bootstrap** for **service showcasing and career submissions**. Integrated a Django-based admin panel for seamless back-end functionality and efficient data management. Implemented Postman for API testing and Pytest for back-end validation, ensuring data accuracy and error-free submissions. **Increased user engagement by 25% and ensuring a scalable platform**. Managed API documentation and user guides for seamless integration.

## ACHIEVEMENTS

- Secured **2nd place in IIITD Pitch-Deck Event among 38 teams** for innovative tech-driven societal impact solution.
- Ranked in top 1,500/80,000 in **Shark Tank India Season 2** for societal impact solutions.

## CERTIFICATIONS

- AWS Certified Cloud Practitioner** – Amazon Web Services (AWS)
- Build AI Apps with ChatGPT, DALL-E, and GPT-4** – Coursera (Scrimba)
- Complete Python with DSA Bootcamp + LeetCode Exercises** – Udemy