Sahil Kumar Mishra

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EDUCATION

Maharaja Agrasen Institute of Technology, GGSIPU **2022 – 2026**
*B.Tech - Artificial Intelligence and Data Science - **CGPA** - 8.4* *Rohini, Delhi*

EXPERIENCE

Intern at Cantilever **June 2025 - August 2025**
Role - AI/ML Intern *Remote*
- Built a Credit Card Fraud Detection model with Scikit-learn and Pandas.
- Developed a Sentiment Analysis model leveraging NLP to extract insights from customer feedback.
- Applied data preprocessing, feature engineering, model selection, and cross-validation techniques.

Intern at PATH (Program For Appropriate Technology in Health) **September 2025 – Present**
Role - Digital Health Intern *Barakhamba, New Delhi*
- Working on FRMQS for traceability, quality control, and batch management of fortified rice premix.
- Implementing SNP digital systems for Rajasthan and Assam with traceability and quality monitoring.
- Conducting User Acceptance Testing (UAT) for nutrition system workflows and performance validation.
- Built e-Drishti an AI telemedicine system for real-time vitals monitoring using OCR and live video.
- Researching Manopath - an AI/ML chatbot for intelligent query handling and knowledge support.

PROJECTS

Saarthi-An AI Career Coach ⤤ | React, Javascript, Gemini AI, Vercel, Prisma ORM
- Developed SAARTHI to assist job seekers with resume building, interview preparation, and cover letter generation using AI - implemented with Gemini AI, Inngest workflows, and NeonDB for scalability
- Built a Next.js + Tailwind full-stack platform with Clerk auth and Vercel deployment for high-performance, real-time AI career assistance.

e-Drishti ⤤ | React, Vite, Socket.io Server, Hugging face, Tesseract OCR, MySQL, Node.js, Express.js
- Developed during my healthcare AI research phase to enhance remote patient monitoring.
- Implemented as a full-stack telemedicine solution using React (Vite) on frontend and Node.js/Express backend.
- To enable real-time ICU-like monitoring for remote patients using AI-driven OCR and vital extraction.
- Integrated live camera feeds with AI models (Qwen2.5-VL + Tesseract.js), stored vitals in MySQL, and delivered alerts via Socket.io dashboard.

Docupilot-An AI Researcher ⤤ | Python, Langchain, Langgraph, Gemini API, IDE - VS Code
- Built to simplify literature review and research writing by automating paper search, understanding PDFs, and generating structured research content.
- Implemented using Python with Streamlit UI, integrated arXiv search, PDF parsing, and Gemini-powered research paper generation with LaTeX PDF rendering.
- Add citation management, multi-model reasoning, dataset support, and collaborative research workspace.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL
Frameworks: FastAPI, Streamlit, Langchain, Langgraph, FastAPI, Pytorch, Tensorflow
Technologies and Tools: RAG, OpenAI API, Hugging Face, React.js, n8n, Wordpress, SEO, OpenCV, Transformers
Cloud and DevOps: AWS, Docker, Github Actions, CI/CD
Version Control: Git, Github

CERTIFICATIONS

- Oracle Cloud Insfrastructure 2025 Certified Generative AI Professional - Oracle University
- The Complete Python Bootcamp - Udemy
- Accenture North America Job Simulation - Forage

EXTRACURRICULAR

- Team Supervisor, JBM Group – Bharat Mobility Expo 2025.
- Content Writer at Inamigos Foundation (NGO).
- Managed society finances and expenditure records as Treasurer.
- Produced SEO-optimized content for Pumpkin and Yogalifetips.