

AAKANKSH SINGH

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Software engineer skilled in Python, machine learning, and full-stack development. Improved AI model accuracy by 10% and built 15+ scalable systems. Ready to contribute to impactful projects and grow as an engineer in a full-time role.

EDUCATION

Syracuse University – College of Engineering & Computer Science, Syracuse, NY Expected: Dec 2025

Master of Science in Computer Science (M.S.) | CGPA: 3.63/4.0

Relevant Coursework: Data Structures, System & Network Programming, Assured Programming with Formal Methods, Introduction to Database Management Systems, Design and Analysis of Algorithms, Computer Architecture, NLP

SRM Institute of Science and Technology – SRMIST, Chennai, India

June 2023

Bachelor of Technology in Electronics and Communication Engineering (B.Tech) | CGPA: 9.2/10

Relevant Coursework: Programming for Problem Solving, Python and Scientific Python, Computer Communication Networks, Applied Machine Learning, Creative & Critical Thinking, Competencies in Social Skills

TECHNICAL SKILLS / PUBLICATIONS

- Programming Languages: Python, Java, JavaScript, SQL
- Web Development: HTML, CSS, JavaScript, React.js, Django, Node.js
- Machine Learning & Data Science: TensorFlow, PyTorch, Keras, NLP Frameworks, Pandas.
- Software Development: SDLC, Git, Agile, CI/CD Pipelines, decision making, CMake
- Publication: Assistive Lunar Rover for Research Purpose by Using Six Wheel Drive Rocker Bogie Patrol Robot (ICMDRSE)

WORK EXPERIENCE

Software Developer Intern, Rightworks LLC, USA - Remote

September 2025 – Present

- Gain hands-on experience in AI development by working with Spark AI to design and optimize intelligent systems tailored for accounting workflows.
- Develop and integrate scalable AI pipelines for data transformation, response quality evaluation, and advanced automation.
- Collaborate with cross-functional teams to apply Spark AI in building reliable, production-ready solutions that improve efficiency and accuracy for end users.

Intern – Technology Track (Software Engineering), RIA Advisory LLC, USA – Remote

June 2025 – August 2025

- Executed 200+ regression test cases on company websites using Selenium.
- Improved test coverage by 30% and reduced release defects by 25% through consistent automation.
- Performed cross-browser testing, logged defects in Jira, and verified fixes with developers.

Software Engineering and AI Intern, Ascendion , USA - Remote

May 2025 – July 2025

- Developed LLM-powered tools (RAG Extractor, Log Analyzer) and performance dashboards, cutting debugging time by 40% and speeding up model evaluation by 30%.
- Built reusable frontends with NiceGUI, improving usability and reducing interface development time by 50%.
- Contributed to MCP and Agentic AI research, targeting a 25% boost in inference efficiency.

FULL-STACK DEVELOPER, InfluencivePress, Bengaluru

Jan 2023 – Dec 2023

- Enhanced performance of 10+ systems by 15%, delivered 15+ scalable APIs with Node.js and MongoDB, and increased test coverage by 50+ cases using Selenium and Jest.

PROJECT EXPERIENCE

Task Manager - Multi-Tenant SaaS Application

Jan 2023 – Feb 2023

- Developed a multi-tenant task manager with React.js, Node.js, and SQL Server, supporting role-based access and real-time updates via WebSockets.
- Achieved scalable, modular workflows with RESTful APIs for seamless task management.

Stock and Twitter Data Extraction

October 2021 – March 2022

- Streamlined data ingestion using Python libraries yfinance and tweepy, with a 30% efficiency boost via Apache Kafka pipelines. Processed combined streams using Apache Spark for trend and sentiment analysis.

Facemask Detection System

Jan 2020 – March 2020

- Created a computer vision system for detecting facemasks using Python, OpenCV, and TensorFlow, aiding public health efforts during pandemic.

LEADERSHIP

Student Organizer, AARUUSH, SRMIST, Chennai

Aug 2022 – Dec 2022

- Increased participation by 30% in technical hackathons by using CRM tools such as HubSpot for participant outreach.
- Led coding workshops and hypothesis development sessions, Professional Mentoring and incorporating version control with Git and live demonstrations of algorithms on Jupyter Notebooks to enhance participant engagement.