

Shivani Singh

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SUMMARY

Machine Learning/NLP engineer with an M.Sc. in IT who delivers results. Built and deployed Python-based NLP pipelines and REST APIs, boosting text-classification accuracy by 23% on production-like data, and achieving ~80 ms inference latency. Strong in data prep, model training/tuning, and turning prototypes into production-ready tools; collaborative and outcome-focused.

EXPERIENCE

Junior AI Developer — Skilled, Bangalore | Feb 2023 – May 2023

- Built and integrated NLP models (BERT, GPT family) into Python APIs; improved text-classification accuracy by 23% through data cleaning, feature tuning, and error analysis.
 - Designed RESTful endpoints for ML pipelines, enabling reproducible inference across services with low latency.
 - Applied linear & integer programming to supply-chain pilot scenarios, reducing solver runtime and improving plan feasibility.
 - Partnered with cross-functional teams to translate raw datasets into actionable insights and dashboards.
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PROJECTS

Text Classification API – Deployed lightweight NLP model as REST service; handled concurrent requests (~80 ms latency) with robust validation and logging.

Android-Controlled Robotic Arm – Engineered a Bluetooth-controlled robotic arm with real-time command protocol and control logic.

Autonomous Mobile Robot Simulation – Built path-planning and obstacle-avoidance simulation; compared algorithms and documented trade-offs.

TECHNICAL SKILLS

Programming: Python, Java

AI/ML: NLP (BERT, GPT), TensorFlow, scikit-learn, GANs

Data: SQL, Oracle

Cloud & Big Data: AWS, Hadoop, Spark

Tools: Git, REST APIs, PL/SQL

EDUCATION

M.Sc., Information Technology — Garden City University | Aug 2021 – Oct 2023

B.Sc., Information Technology — Thakur College | Aug 2017 – Dec 2020