

Shivam Singh

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Professional Summary

Final-year Computer Science student specializing in AI and machine learning. Developed Android apps, and NLP models for text classification. Used Python, Kotlin, and Transformer-based architectures to solve practical problems with real-world data.

Education

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| DAV ACC Public School, Katni, Madhya Pradesh , 10th standard | July 2020 |
| • Percentage: 86.6% | |
| DAV Calderys Public School, Katni, Madhya Pradesh , 12th standard | June 2022 |
| • Percentage: 83.8% | |
| VIT Bhopal University, Bhopal , B.Tech in Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning | Sept 2022 – ongoing |
| • CGPA: 8.48/10 | |

Technical Skills

- Languages: Python, Kotlin, SQL
- Frameworks: Jetpack Compose, Scikit-learn, Pandas

Languages: English, Hindi

Projects

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| Text Classification of Articles in Bhojpuri | Jun 2024 – Sep 2024 |
| <ul style="list-style-type: none">• Scraped and processed 5,113 Bhojpuri news articles; built raw, balanced (1,000 samples), and augmented (9,156 samples) datasets.• Fine-tuned LLaMA 3.1 (8B) and mBERT, achieving 78% and 93% accuracy respectively on balanced inputs.• Benchmarked CNN, BiLSTM, BERT, and GPT on headline-only inputs; evaluated article-to-headline cross-input classification (CNN: 73%, BERT: 68%).• Technology: Python, Transformers, LLaMA, BERT, CNN, Scikit-learn, Web Scraping | |
| OTP Router – Auto OTP Forwarder Android App | Nov 2024 |
| <ul style="list-style-type: none">• Developed an Android app to auto-forward OTP SMS from selected senders to email in real-time (under 2s latency).• Used BroadcastReceivers, Telephony API, Kotlin Coroutines, and JavaMail for reliable asynchronous delivery.• UI built with Jetpack Compose; tested on 10+ devices with 100% parsing accuracy.• Technology: Kotlin, Jetpack Compose, BroadcastReceiver, JavaMail, Coroutines | |

Courses and Achievements

- Applied Machine Learning in Python — Coursera (University of Michigan)
- AWS Cloud Foundations Badge — AWS Academy

Hobbies & Extracurricular Activities

- Football
- Volunteered during TCS placement drive to assist in student coordination and logistics.
- Completed 100+ problems on different coding platforms, familiar with DSA fundamentals