Shreya Mohanty

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Technical Skills

Skills: Machine Learning, Natural Language Processing, Android Development, IoT
Languages: Java, Python, C/C++, SQL, HTML/CSS, Kotlin, Jetpack Compose
Frameworks: Material-UI
Libraries: spaCy, pandas, NumPy, Matplotlib, NLTK, PyTesseract, SciKit-Learn, gensim

Education

Kalinga Institute of Industrial Technology Bhubaneshwar, Odisha
Bachelor of Technology in Computer Science and Engineering *Aug. 2021 - July 2025*

Experience

Core Member, IoT Domain Feb. 2023 – Present
IoT Lab, KIIT *Bhubaneshwar, Odisha*

- Collaborated as a member of the IoT Lab at KIIT, gaining hands-on experience with various sensors, including accelerometers, ESP8266, Tilt sensor, PIR sensor, NodeMCU, and working with data visualization platforms like Thingspeak.
- Proficient in Arduino programming, utilizing Arduino code to develop projects and enhance sensor functionality.

Contributor May 2023 – Aug. 2023
GirlScript Summer of Code *Remote*

- Participated in the GirlScript Summer of Code program, an open-source initiative that provides a platform for students to collaborate on projects and contribute to the open-source community.
- Acquired proficiency in popular open-source tools, version control systems (e.g., Git), collaborative platforms (e.g., GitHub), and issue tracking systems.

Projects

I'm Feeling Lucky Dictionary | *Kotlin, Jetpack Compose* June 2023

- Developed a Android App using Kotlin that allows users to explore a collection of words and their meanings.
- Implemented letter selection for quick word filtering.
- Integrated click functionality on words to instantly search Google for meanings.
- Showcased proficiency in Kotlin and user-centered app design.

Calculator App | *Kotlin, Jetpack Compose* June 2023

- Developed a basic calculator app using Kotlin and Jetpack Compose.
- Integrated day and night mode functionality, adapting the app's appearance based on the system UI settings.

Question Paper Analyzer | *Python, SciKit, NLTK, PyTesseract, Gensim* July 2023 - Present

- Automated topic identification from PDF-based question papers.
- Designed OCR-powered tool for efficient question extraction from PDFs.
- Implemented Latent Dirichlet Allocation (LDA) model from the Gensim library to identify prevalent topics within the question papers.
- Utilized PyLDAvis to create an interactive visualization that graphically displays the identified topics, aiding in topic exploration.
- Demonstrated adeptness in NLP, machine learning, data visualization, and Python proficiency.