Rajiv Ranjan

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Motivated computer science student with a strong academic background and a passion for software development and machine learning. Proficient in Python, Java, and Kotlin, with hands-on experience in web development, Android app development, and cybersecurity. Having solved complex problems and delivered impactful projects as an intern and did it personally.

Education

Galgotias University — Greater Noida, India
CSE B.Tech — October 2021 - July 2025
CGPA: 8.6

M.D.J. Public School — Ara, India
PCM Intermediate — April 2018 - March 2020
Percentage: 75.6%

FIITJEE World School — Hyderabad, India
Degree in Matriculation — April 2017 - March 2018
CGPA: 9.4

Experience

Paloalto - AICTE | Cyber Security Intern | **Link** — July 2022 - September 2022

- Completed online training and hands-on labs to enhance network security skills.
- Collaborated on virtual projects to analyze and mitigate simulated security threats.
- Developed and presented a capstone project applying cybersecurity expertise.
- Engaged with the Palo Alto Networks community through forums and events.

Skills

Programming Languages:	Python, HTML, CSS, JavaScript, Kotlin, XML
Libraries/Frameworks:	React, BootStrap, TensorFlow
Tools / Platforms:	Git, VS Code, AndroidStudios, Android SDK

Projects / Open-Source

Twitter Sentiment Analysis | Link — Python, NLP, LSTM

- Built a hate speech detection system leveraging LSTM algorithms.
- Preprocessed input text by removing stop words and applying stemming.
- Trained the model to classify text as hate speech or non-hate speech effectively.
- Utilized a dataset of approximately 5 million tweets from Kaggle.
- Achieved an accuracy of 96.8% in detecting hate speech.

To-Do List | Link — Kotlin, Android SDK, XML

- Designed a user-friendly To-Do List app to manage daily tasks.
- Developed features to add, view, and delete tasks with real-time updates.
- Used RelativeLayout, ListView, and ArrayAdapter for a clean, dynamic UI.

Next Word Prediction | Link — Python, RNN, Transformers, GPT-2

- Developed a text generation model using TensorFlow's Bi-LSTM.
- Implemented tokenization, sequence creation, and padding for input uniformity.
- Achieved coherent text generation with a neural network consisting of embedding layers, stacked Bi-LSTMs, and dense layers.
- Utilized a dataset of approximately 1,000 sentences.
- Achieved an accuracy of 95.2% in next word prediction.

Certifications

Career Essentials in Software Development - Microsoft and LinkedIn | **Link**

Awards

Participated in OPPO Generation Green Campaign