

# ARYAVARDHAN SINGH

+91 79044 77389 ◊ [aryavas2004@gmail.com](mailto:aryavas2004@gmail.com)

[LinkedIn](#)

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## SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, SQL, R, Julia

Technologies/Frameworks: Flask, Scikit-Learn, Pytorch, TensorFlow, XGBoost, Keras

Database: MongoDB, Redis, MySQL, PostgreSQL, SQLite

Version Control and Other Tools: Git, Github, Postman, Docker, Jenkins, Figma, REST APIs

Other tools: FFmpeg, LaTeX, Regex, Obsidian, tmux

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## EDUCATION

Vellore Institute of Technology Andhra Pradesh, Amaravati

Aug 2022 - July 2026

BTech Computer Science and Engineering

CGPA:8.3

Sri Chaitanya Techno School, Chennai

2022

Grade 12

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## EXPERIENCE

**Be A Nerd Club**

Mar 2024 - Present

**Social Media Manager**

- Scaled Instagram reach by 15x in 3 months using targeted meme marketing and reels.
- Designed and executed on-campus events with 200+ footfall, driving engagement.
- Created and optimized posting calendar with 25% increase in consistency.
- Led 4-member content team; collaborated with design and PR to align strategy.

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## PROJECTS

**Chakshu [NLP, Flask, BERT, Scikit-Learn]**

- Web app to assist law enforcement in detecting online threats (e.g., scammers, extremists).
- Built backend using Flask; implemented BERT-based NLP to analyze chat logs from social media platforms.
- Enabled semi-automated threat detection pipeline; reduced manual screening by 70%.
- Finalist submission for Smart India Hackathon 2024.

**MANDAP [PyTorch, Pandas, Deep Learning]**

- Predictive model for divorce probability and alimony estimation in Indian legal scenarios.
- Engineered dataset from multiple government sources and legal documents.
- Built and trained deep learning model on income, marriage duration, dowry data.
- Achieved MAE of ₹8.2k on alimony prediction; validated on custom test cases.

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## COURSES AND CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- AWS Academy Graduate - AWS Academy Cloud Foundations
- AWS Academy Graduate - AWS Academy Cloud Architecting

Oracle, 2025

AWS, 2024

AWS, 2024

