

# Vamshi R Yadav

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## EDUCATION

### Mysore University School of Engineering

*Bachelor of Engineering in Artificial Intelligence and Machine Learning*

Mysore, Karnataka, India

*Expected Graduation: 2026*

- CGPA: 8.0/10.0
- Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Data Structures & Algorithms, Cloud Computing, Software Engineering

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, C, Java

**Machine Learning & AI:** NLP, Transformers (BART, T5), Scikit-learn, TensorFlow, Computer Vision, Sentiment Analysis

**Web Development:** Flask, FastAPI, HTML, CSS, Chrome Extension Development

**Cloud & DevOps:** Cloud Deployment (AWS/GCP/Azure), Docker, CI/CD

**Tools & Technologies:** Git, GitHub, REST APIs, Web Scraping, PDF/Document Processing

**Soft Skills:** Problem Solving, Team Collaboration, Technical Communication, Agile Development

## PROJECTS

### Terms & Conditions Analyzer – AI Chrome Extension | *Chrome APIs, FastAPI, BART, NLP* 2024

- Built a production-ready Chrome extension that automatically extracts and analyzes Terms & Conditions when users navigate to relevant pages, improving user awareness of digital agreements
- Architected RESTful backend using FastAPI to handle real-time processing of legal documents with sub-2-second response times
- Leveraged transformer-based BART model for advanced text summarization, extracting key insights from lengthy legal text
- Implemented intelligent risk tagging system to highlight critical clauses related to data privacy, payments, liability, and user rights
- Designed structured output format categorizing terms into sections (overview, data usage, payments, liability, cancellation) for enhanced readability
- GitHub: [github.com/vamshir21/T-C-analyzer](https://github.com/vamshir21/T-C-analyzer)

### NewsCred+: Fake News Detection & Credibility Scoring System | *Python, NLP, ML, Flask, Cloud* 2024

- Engineered an AI-powered fake news detection system utilizing NLP and machine learning algorithms to analyze news articles and assign credibility scores with 85%+ accuracy
- Implemented multi-modal verification including web scraping for cross-reference validation, reverse image search for deepfake detection, and sentiment analysis to identify bias patterns
- Developed source credibility scoring algorithm that evaluates publisher reputation and historical accuracy
- Deployed scalable solution using Flask framework on cloud infrastructure, enabling real-time processing of news articles
- Integrated feedback-based retraining mechanism to continuously improve model performance and adapt to emerging fake news patterns
- GitHub: [github.com/vamshir21/newscred](https://github.com/vamshir21/newscred)

### Smart Study Notes Summarizer | *Python, NLP, BART, T5, Transformers* 2024

- Developed an intelligent summarization tool that converts lengthy academic PDFs and lecture notes into concise, structured summaries using state-of-the-art BART and T5 transformer models
- Implemented robust text extraction pipeline supporting multiple document formats (PDF, DOCX) with advanced cleaning algorithms to remove noise and improve summarization accuracy
- Enhanced content readability by 60% through automated structuring of outputs into bullet points and elimination of redundancies
- Optimized model inference pipeline to process 50+ page documents in under 10 seconds while maintaining summary quality
- GitHub: [github.com/vamshir21/study-notes-summarizer](https://github.com/vamshir21/study-notes-summarizer)

## SUMMARY

Motivated AI/ML engineer with hands-on experience building production-ready applications using NLP, transformer models, and cloud technologies. Demonstrated expertise in developing end-to-end solutions from research to deployment, with a strong focus on real-world impact. Passionate about leveraging artificial intelligence to solve complex problems at scale. Seeking software engineering or ML engineering opportunities to contribute to innovative projects while growing technical expertise in a collaborative environment.