Rishith Kumar Pachipulusu

Bachelor of Technology

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About Me

Motivated Full-Stack Developer with strong Backend expertise in Java and Spring Boot. Experienced in building real-world solutions with a focus on problem-solving and team collaboration. Eager to contribute to innovative projects and grow as a backend-oriented engineer.

Education

VIT-AP University, Amaravati	*2022 - 2026*
B.Tech in CSE (AI & ML)	
CGPA: 8.12	
Narayana N120 College, Vijayawada	*2020 - 2022*
Intermediate – 79%	
Visvabharati High School, Gudivada	*2019 - 2020*
Secondary School Certificate (SSC) – 100%	

Technical Skills

Languages:	Java, Python, SQL
Web:	HTML, CSS, JavaScript, React.js
Backend:	Spring Boot, Node.js, REST APIs
Cloud/DB:	AWS, MySQL, MongoDB
AI/ML/NLP:	Scikit-learn, Pandas, NumPy, TensorFlow, Keras, NLTK, Hugging Face, BERT, Whisper
Soft Skills:	Teamwork, Problem-Solving, Communication

Projects

Stock Management System ⬡ *rishith2903*
- Inventory app built with JavaFX and MySQL.
- Reduced manual errors by 30%.

Smart-Summary-Q&A Platform – Full-Stack Web Application 🔗 *Demo*
- AI-powered video and document processing platform built with React frontend and Node.js backend.
- Implements YouTube video transcription, BART neural summarization, and interactive Q&A using OpenAI API.
- Features batch video processing, PDF analysis, real-time status monitoring, and responsive Material-UI design.
- Deployed on GitHub Pages (frontend) and Render (backend) with automated CI/CD pipeline.

Deepfake Detection (CNN-LSTM) ⬡ *rishith2903*
- Hybrid model on DFDC dataset with CNN + LSTM.
- Improved video forensics using spatio-temporal patterns.

Personal Portfolio Website 🔗 *Portfolio*
- Responsive website built using React, HTML, CSS, and JavaScript.
- Showcases projects, technical skills, certifications, and education with interactive UI components.

Certifications

AWS Academy Cloud Foundations Badge – AWS Academy	🔗 Certificate
Python for AI – Boston Training Academy	🔗 Certificate
Full Stack Web Development - SmartED Innovations	🔗 Certificate
Oracle Certified Generative AI Professional – Oracle University	🔗 Certificate

Extra-Curricular Activities

Photography Club – VIT-AP University	*July 2023 – May 2024*
Created multimedia content for university events as an active member.	
LEO Club – Lions Club, VIT-AP University	*June 2024 – March 2025*
Co-led social media efforts and participated in outreach programs.	
IEI (Institution of Engineers of India)	*June 2024 – Present*
Contributed to technical documentation and content creation for organizational events.	