

# Tharun Vankayala

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## Profile Summary

- Proficient in developing scalable web applications as a Python Full Stack Developer, leveraging FastAPI, React.js, and AWS for efficient software solutions.
- Skilled in API integration, cloud computing, and AI-driven development, ensuring high-performance systems and secure user experiences.

## Work Experience

**Developer Intern** – AcademixEdu (Violetearnx Private Limited) – Hyderabad Oct 2024 – Jan 2025

- Managed development of backend APIs using FastAPI and integrated React.js frontends, optimizing CI/CD pipelines with GitHub Actions, reducing deployment time by 30%.
- Implemented unit tests using pytest and collaborated in agile sprints, improving code coverage by 20% and meeting 100% of sprint deadlines.
- Oversaw secure data handling and project confidentiality, ensuring compliance with organizational standards.

## Projects

**Movie Rating Website** github.com/tharunkuchulu

- Developed a full-stack platform for movie ratings, integrating third-party APIs, achieving 99% uptime on HTML, CSS, JavaScript.
- Conducted unit testing with Pytesting, ensuring 95% test coverage for frontend components, reducing bugs by 15%.
- Tools Used: React.js, Redux, TMDb API

**AWS Automation with boto3**

- Automated cloud resource management using Python and boto3, cutting provisioning time by 50% and enhancing security compliance by 100% with IAM roles.
- Tools Used: Python, AWS SDK (boto3), EC2, S3, IAM

**Advanced ATS Scanner**

- Built an AI-powered ATS scanner with Retrieval-Augmented Generation, improving resume matching accuracy by 35% and reducing screening time by 45%.
- Tools Used: FastAPI, OpenAI, Pinecone VectorDB

## Technical Skills

**Languages & Frameworks:** Python, JavaScript, FastAPI, React.js, Redux

**Frontend & UI/UX:** HTML, CSS, Figma

**Databases:** MySQL, MongoDB

**Cloud & DevOps:** AWS (EC2, S3, Lambda, boto3), Docker, Git, GitHub Actions, CI/CD

**AI & APIs:** OpenAI, RAG, NLP, RESTful APIs, LangChain

## Education

**SRM University AP**, B.Tech in Computer Science and Engineering, CGPA: 7.85 Sept 2020 – Jun 2024

## Certifications

- Full Stack Development (Python) – Codecad
- Python Programming – HackerRank
- Mastering AI Tools and Prompt Engineering – be10X