

# Yeturi Trilochan Sashank

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## Professional Summary

M.Tech qualified Software Engineer with a focus on **Network Security** and **Full Stack Architecture**. Currently operating as a Technical Trainer Developer, bridging the gap between theoretical concepts and production-grade software. Proven experience in building scalable applications using **Python (FastAPI/Django)** and **React**, with a strong interest in **Cloud (Azure)** and **Automated Workflows**. Seeking to leverage background in engineering and instruction to deliver robust software solutions.

## Technical Skills

- Core Languages:** Python (Advanced), JavaScript (ES6+), TypeScript, SQL, Java.
- Web Frameworks:** React.js, Next.js, FastAPI, Django, Node.js, Express.js.
- Cloud & DevOps:** Azure (Fundamentals), Docker, CI/CD Concepts, Git/GitHub Actions, Linux (WSL).
- Databases:** PostgreSQL, MongoDB, MySQL.
- Tools:** Postman, Vercel, Streamlit, VS Code Extensions.

## Education

<b>Master of Technology in Computer Networks and Information Security</b> <i>Sreenidhi Institute of Science and Technology</i>	<b>2021 – 2023</b> <i>Hyderabad, India</i>
• <b>Publication:</b> "Student Engagement Prediction in Online Session," IJRTICC (Machine Learning Application).	
<b>Bachelor of Technology in Electronics and Instrumentation</b> <i>Keshav Memorial Institute of Technology</i>	<b>2015 – 2019</b> <i>Hyderabad, India</i>

## Experience

<b>Technical Trainer &amp; Developer</b> <i>ImaginXP - College Dekho</i>	<b>July 2024 – Present</b> <i>Hyderabad, India</i>
• <b>Automation Engineering:</b> Designed and implemented a <b>Python-based automation tool</b> to streamline internal academic grading workflows, reducing manual data entry effort by 40%.	
• <b>Technical Instruction:</b> Mentoring cohorts in Full Stack Development (MERN), conducting daily <b>Code Reviews</b> and debugging sessions to resolve logic errors in React and Node.js applications.	
• <b>Curriculum Maintenance:</b> managing version control and documentation for curriculum codebases, ensuring alignment with modern industry standards (Docker, Microservices).	
<b>FutureTech Fellow (Full Stack Trainee)</b> <i>NSE TalentSprint</i>	<b>Dec 2023 – July 2024</b> <i>Hyderabad, India</i>
• Engineered and deployed a <b>Full-Stack Code Editor</b> using React.js and Express, featuring real-time preview capabilities and secure code execution.	
• Mastered agile development practices, participating in sprint planning and peer programming sessions to solve algorithmic challenges.	

## Key Engineering Projects

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### **Real Estate Listing Platform** – *Next.js, MongoDB, RBAC*

[\[Live Demo\]](#)

*Architected a property listing engine featuring JWT authentication and Role-Based Access Control (RBAC) for admin management. Optimized database queries for fast content loading.*

### **High-Performance Image Converter** – *FastAPI, Python*

[\[Live Demo\]](#)

*Built a high-concurrency backend service to convert multiple image formats into PDFs. Deployed on cloud infrastructure with a focus on low-latency response times.*

### **Automated Test Generation Suite** – *Python, Streamlit, AI Logic*

[\[Live Demo\]](#)

*Developed a web application empowering educators to generate customizable academic tests. Integrated logic to randomize questions and output formatted results automatically.*

### **Full-Stack Code Editor** – *React, Node.js, Sandbox Execution*

[\[Source Code\]](#)

*An in-browser IDE supporting multi-language syntax highlighting and secure code execution in a sandboxed environment.*