M.SHASHANK

ASPIRING SOFTWARE DEVELOPER | PYTHON ENTHUSIAST | PRODUCT ENGINEER

Chennai, Tamil Nadu, India | shashank.gtrv@gmail.com | Portfolio | https://github.com/GTR-R34-Skyline

Professional Summary

Python developer and aspiring machine learning engineer passionate about backend systems, automation, and solving real-world problems. Experienced in internships, national hackathons, academic research, and technical paper publishing. Demonstrates a consistent ability to deliver scalable and impactful solutions through collaboration, innovation, and continuous learning.

AREA OF EXPERTISE

Backend Development		
Machine Learning & Data Analytics	Technical Research	Academic Writing
	Rapid Prototyping	Hackathon Development

KEY ACHIEVEMENTS

- **Best Paper Presentation Winner** at ICMCTT-IV 2024 for AGRIHUB — an ML-driven farming ecosystem.
- **1st Place Winner** at SVCE Innovates 2024 for the Farming Navigator project.
- **Top 50 Finalist (Ranked 14th) out of 300**+ teams at the IIT Madras Hackathon 2024.
- **Co-authored a Book Chapter**: "Machine Learning and Data Analytics Framework for Sustainable Environment" in Applied Machine Learning for IoT and Data Analytics.
- Developed **EcoTrack**, a real-time waste management system with predictive routing analytics.
- Built **Verdic-AI** — Legal NLP assistant during a 24-hour hackathon for ICube 4.0, focusing on real-time question answering.
- Actively participated in **GDSC events**, enhancing tech community engagement and learning from industry-led sessions.
- **Senior Photographer, Photography Club of SVCE** — Led documentation of campus events and mentored junior photographers.
- Delivered reliable backend services during internships, boosting application efficiency and stability.
- Led rapid prototyping and cross-functional teamwork in multiple national-level hackathons.

PASSION PROJECTS

JARVIS : An intelligent personal assistant built with Python, integrating voice recognition, natural language processing, and automation to streamline daily tasks.
GitHub Link

PROFESSIONAL EXPERIENCE

Product Engineer Intern – Graas   **Jan 2025 - Feb 2025**
- Collaborated with product teams to develop core feature components.
- Contributed to real-time problem-solving in a dynamic startup environment.
- Received a ₹15K stipend for successful internship completion.

EDUCATION

Bachelor of Engineering at Sri Venkateswara College of Engineering   **Sep 2023 - Present**
- Participated in high-level hackathons and academic events.
- Published research papers and co-authored a book chapter in emerging tech fields.
- Maintained a 8.65 CGPA till 3rd semester.

PROJECTS AND RESEARCH PAPERS

AGRIHUB: REVOLUTIONIZING INDIAN AGRICULTURE USING MACHINE LEARNING
- Built a platform to support Indian agriculture with ML-driven insights for cooperative farming, seed quality, insurance, and equipment access.
- Won **1st place** in SVCE INNOVATES 2024 - Student Research Day.

EcoTrack: The Smart Waste Collection Navigator
- Designed a predictive smart waste collection system using real-time data and analytics to improve collection efficiency.
- Presented and won **Best Presentation** at ICMCTT-IV 2024.

Book Chapter Co-Author
Machine Learning and Data Analytics Framework for Sustainable Environment
- Published in: Applied Machine Learning for IoT and Data Analytics
- Focused on ML frameworks for environmental sustainability in IoT applications.

CERTIFICATIONS

Programming & Technical
- Python (Basic) – HackerRank
- SQL (Basic & Intermediate) – HackerRank
- Problem Solving – HackerRank

AI, ML & Data Science
- Google AI Essentials – Coursera
- Data Science and Machine Learning – NIELIT
- Introduction to Generative AI and LLMs – Google Developers

Cybersecurity & Project Management
- Google Cybersecurity Certificate – Coursera
- Google Project Management Certificate – Coursera

Blockchain
- Blockchain and Its Applications – **Elite** (NPTEL)

Professional Certificates
- Software Engineer Intern Certificate – HackerRank

TECHNICAL SKILLS

Languages: Python, C, MySQL,Java
Technologies & Tools: Django, Git, HTML/CSS
Core Interests: Backend Development, Machine Learning, Automation, Sustainable Tech, Frontend Development