M.SHASHANK

ASPIRING SOFTWARE DEVELOPMENT ENGINEER | BACKEND & ML FOCUS
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Portfolio Website   Linkedin   Github   Google Developers

Summary

Software Development Engineer with a strong foundation in full-stack development and scalable backend systems. Experienced in building web applications using Python, JavaScript, and modern frameworks. Eager to contribute to Planys Tech's innovative web ecosystem by developing efficient, responsive, and impactful software solutions.

AREA OF EXPERTISE

Languages: Python(Advanced), Java, C, SQL, MySQL
Frameworks & Libraries: Flask, Pandas, NumPy, REST APIs
Core Concepts: Data Structures:Algorithms, Object-Oriented Programming (OOP), System Design, Backend Development, ML Pipelines Tools & Platforms: Git, AWS (Basic), HTML/CSS

KEY ACHIEVEMENTS & RECOGNITION

- Best Paper Presentation Winner at ICMCTT-IV 2024 for Ecotrack.
- 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.
- 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.
- Appointed as Google Ambassador for SVCE — driving community learning in AI and Cloud technologies.
- Came 3rd in the Eclearnix Hackathon and received a month's internship with a stipend of ₹10,000

PROFESSIONAL EXPERIENCE

Product Engineer Intern – Graas   **Jan 2025 - Feb 2025**

- Aspiring Full-Stack Developer skilled in MERN and Python-based frameworks with a proven record in hackathons, research, and production-grade deployments. Passionate about transforming real-world problems into scalable digital solutions.
- 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 8.5 CGPA till 4th semester.

PROJECTS AND RESEARCH PAPERS

1.AGRIHUB: Revolutionizing Indian Agriculture Using Machine Learning
- Built an ML-driven platform for cooperative farming, seed quality prediction, and insurance facilitation
- Won 1st place in SVCE Innovates 2024.

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

3. Jharkhand Tourism App:
Developed an interactive tourism management application integrating geolocation-based recommendations, real-time travel guides, and cultural insights for state-level promotion.

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

5. Loan Aura:
Created a credit scoring and loan eligibility prediction system using LightGBM and ONNX for scalable deployment, improving model inference speed and explainability.

6.E-R Homie (Under IEEE Review):
AI-powered empathetic home automation system adapting to user emotional states using multi-modal sensory inputs.

7.Live Assessment of Gesture Interpretation into Tamil Linguistic using ANN (Under IEEE Review):
Research paper on gesture-to-Tamil ANN-based real-time translation for accessibility.

8.Book Chapter Co-Author:
"Machine Learning and Data Analytics Framework for Sustainable Environment" published in Applied Machine Learning for IoT and Data Analytics, focusing on ML frameworks for environmental sustainability in IoT applications.

CERTIFICATIONS

1.Technical
Python (Basic) – HackerRank
SQL (Basic & Intermediate) – HackerRank
Problem Solving – HackerRank
Full Stack Developer Bootcamp- Geek for Geeks
Python Programming - Geek for Geeks

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

3.Cybersecurity & Project Management
Google Cybersecurity Certificate – Coursera
Google Project Management Certificate – Coursera

4.Blockchain
Blockchain and Its Applications – Elite (NPTEL)

5.Professional Certificates
Software Engineer Intern Certificate – HackerRank

COMPETITIVE PROGRAMMING AND DSA
• Actively practicing Data Structures and Algorithms problems on platforms like LeetCode and HackerRank,focusing on problem-solving and system design readiness.