SHASHANK SUGGALA

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EDUCATION

B.Tech, CSE with Data Science   Sep 2021 - Jul 2025
Vellore Institute of Technology, Vellore, India, 8.21 CGPA

Senior Secondary School   Apr 2019 - Apr 2021
Modern Vidya Niketan, Faridabad, India, 94.4% Aggregate   ,

TECHNICAL SKILLS

Languages and Deployment Tools: Python, R, C, Java, JavaScript, TypeScript, Go, AWS, GitHub, GitLab, Gunicorn
Coursework: Data Structures and Algorithms, Machine Learning, Deep Learning, Predictive Analytics, Data Mining
ML/DL Frameworks: NumPy, Pandas, OpenCV, Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, CNNs, RNNs
Tech & Platforms: MERN, Flask, Firebase, MySQL, Prisma , Hardhat, Truffle, Pinata, Alchemy, Supabase

PROFESSIONAL EXPERIENCE

Bhash Software Solution Pvt Ltd, Bangalore, India: Full Stack Intern   Aug 2023 - Dec 2023
  - Streamlined data pipelines and developed analytics dashboards, improving decision-making speed by 20%.
  - Analyzed transactional data to identify key patterns, leading to a 12% increase in revenue.
  - Developed inter-department automation tools connecting Sales, Support, and Finance workflows—reducing manual overhead by 20% and increasing team coordination efficiency by 10%.

The Opportunities Portal, Remote: Full Stack Developer   Dec 2023 - Feb 2024
  - Led the development team and implemented a full-stack version 2 portal for the company, optimizing user experience by at least 15%.

WebKites Interactive Media, Remote: Full Stack Developer (Freelance)   Feb 2024 - July 2024
  - Built Certto, an ML-powered certificate generation platform using Flask, OpenCV, and cloud-hosted services.
  - Integrated intelligent data extraction using Pandas & OCR, reducing manual processing by 60%.
  - Used Vercel, Render, AWS and production servers (Gunicorn, Waitress) for seamless deployment.

PROJECTS

VeriDuce   Jan 2025 - Apr 2025
Developed a blockchain-based carbon credit trading platform that processed over 500 simulated emission records, utilizing three machine learning models(50% accuracy): one for carbon reduction claim validation, one for emission prediction, and one for fraud detection, while engineering smart contracts on Ethereum for transparent credit exchange, reducing manual verification time by 60%.

Certto   Feb 2024 - July 2024
Led a cross-functional team of 4 to develop a certificate automation platform that can handle over 10,000 certificates with ML-powered text extraction using OpenCV and Pandas. Built a scalable backend using Nodejs and Flask and deployed with AWS and Gunicorn, reducing processing time by 70%.

InstaBis   June 2022 - June 2022
Built a blockchain-integrated e-commerce platform for 1000+ small businesses using Polygon and Filecoin, enabling secure listings and smart contract-based payments. Integrated a ML-based recommendation engine (65% precision) and deployed Flask ML API on Azure, increasing user session time by 30%.

ACCOMPLISHMENTS

ISTE-VIT, Vellore, India: Projects Head   Jan 2023 - Apr 2024
  - Managed 15+ projects and delivered live workshops to 200+ students, improving engagement by 60%.

GDSC Hack NMIMS, Online, India: 2nd Runner Up   Jun 2022 - Jun 2022
  - Built a blockchain-based transaction platform, InstaBis, ranked top 3 out of 50+ national teams.

Smart India Hackathon, Chandigarh, India: Grand Finale   Aug 2022 - Aug 2022
  - Advanced to national finals for a B2B platform (CASIC) connecting 100+ institutions and companies.