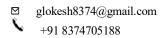# Lokeswar Raju Gundlapalli

AI Engineer

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Aspiring Data Scientist with hands-on experience in AI-based project development and deployment in a dynamic startup environment. I am skilled in Python, machine learning, and cloud-based deployment technologies. Seeking to leverage my analytical mindset, AI expertise, and practical DevOps exposure to build impactful, scalable data-driven solutions in a challenging role that fosters continuous learning and innovation.

Professional Summary

- Experienced AI Engineer and Software Developer with a strong foundation in machine learning, data science, and software development. I am currently serving as a Software Engineer at BigEBrains Pvt. Ltd., bringing expertise in Python programming, predictive modelling, and end-to-end application deployment.
- Proven track record in developing healthcare prediction systems with machine learning algorithms, achieving measurable results, including 75% accuracy in liver disease prediction models.
- Skilled in web application development using modern frameworks like React.js and Django, with hands-on experience in cloud deployment using AWS, Docker, and CI/CD pipelines.
- Demonstrates strong collaborative abilities through cross-functional team leadership and Agile development practices. Experienced in the complete software development lifecycle, from initial development and comprehensive testing to production deployment and maintenance. Combines technical proficiency in data science libraries (TensorFlow, PyTorch, scikit-learn) with practical software engineering skills to deliver robust, scalable solutions.

Technical Skills
- **Machine Learning & AI:** Algorithm implementation, predictive modeling, data analysis
- **Programming Languages:** Python, C, HTML, CSS
- **Data Science:** Pandas, NumPy, Data visualization
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, FastAPI
- **Cloud & DevOps:** AWS (EC2, S3), Docker, NGINX, CI/CD with GitHub Actions
- **Version Control:** Git
- **Containerization:** Docker
- **Database Management:** MySQL

Education
- SSC –Sri P Gopi Reddy High School – 9.8 GPA
- Intermediate – Sri Chaitanya Jr College – 75%
- B.Tech. – CSE – GVR&S College of Engineering and Technology– 7.8 CGPA

Experience
- BigeBrains Pvt Ltd – Software Engineer (2025-Feb to Present)

Projects

1. AI-Powered Vendor Intelligence Platform

Client: Acads360 | *2025* | *Full-Stack AI Development & Deployment*
2025-Feb to 2025-June

Description: Developed an intelligent B2B vendor research and comparison platform that automates vendor discovery, analysis, and selection using advanced AI technologies, including LLMs, RAG systems, and multi-agent frameworks.

- Intelligent Web Scraping System
  - Automated scraping of IndiaMART and TradeIndia for product and vendor information.
  - Integrated DuckDuckGo Search API and Tavily scraping tools.
  - Used CrewAI to orchestrate multi-agent scraping workflows.
  - Extracted vendor names, pricing, specifications, and ratings from 10,000+ listings.
- Smart Vendor Ranking Algorithm
  - AI-powered analysis to identify the top 10 vendors per product category.
  - Dynamic scoring based on price, quality, reliability, and market presence.
  - Real-time vendor performance evaluation and comparison.
- Document Intelligence & RAG System
  - Multi-format document upload (PDF, Word, Excel, CSV) capability.
  - AI-powered vendor performance comparison using uploaded documents.
  - Semantic search and context-aware vendor analysis reports.
  - Automated insights generation from business documents.

Production Deployment (Ongoing): Currently deploying a complete AI platform to the production environment

- AWS EC2 hosting with Docker containerization and NGINX configuration
- GitHub Actions CI/CD pipeline for automated deployments

2. Production Website Deployment

BigEBrains Pvt. Ltd. | *2025-Present* | *DevOps*
Websites: bigclasses.ai & bigebrains.com

Project Overview: Led the complete deployment of two production websites for the company.
Implementing modern DevOps practices and cloud infrastructure for scalable, secure web applications.
Deployed Applications:

- **bigclasses.ai** - AI-focused educational platform
- **bigebrains.com** - Corporate website and business portal
- Both featuring React.js frontend with Django backend architecture

3. Liver Disease Prediction System (Academic Leadership)

- Led team development of healthcare prediction system, achieving 75% accuracy
- Implemented logistic regression with a comprehensive data visualization dashboard

Declaration: I hereby declare that the information mentioned earlier is true to the best of my knowledge, and I take full responsibility for its accuracy and authenticity.