# Resume

### Sanika Boke

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### Summary

Highly motivated and results-oriented B.Tech in Information Technology graduate (May 2024) from Vishwakarma Institute of Information Technology (VIT), Pune, India. Possessing a strong foundation in AI/ML, full-stack development, and cloud computing, I consistently demonstrate the ability to lead and effectively contribute to team projects. My experience developing and implementing the AI-powered Agri-Tech platform, GoDirect, showcases my commitment to innovation and problem-solving. I seek a challenging role within a dynamic organization where I can leverage my technical skills and passion for impactful technology.

### Education

### \* B.Tech in Information Technology, Vishwakarma Institute of Information Technology (VIT), Pune, India – May 2024

### Projects

### GoDirect: AI-Powered Agri-Tech Platform \*(May 2023 - May 2024)\*

### \* Spearheaded the development and deployment of a machine learning model for crop yield prediction, achieving a 15% increase in accuracy compared to traditional methods. This involved comprehensive data cleaning, feature engineering, model training (Python, TensorFlow, PyTorch), and deployment on AWS (EC2, S3, RDS). The system leveraged a SQL database (PostgreSQL) for efficient data storage and REST APIs for seamless integration with existing farm management tools.

### \* Designed and implemented a user-friendly React.js interface enabling farmers to input data, access predictions, and receive personalized recommendations. Key features included interactive data visualization, real-time feedback mechanisms, and secure user authentication.

### \* Developed and integrated a robust monitoring system utilizing Prometheus and Grafana, providing real-time insights into system performance and resource utilization. This ensured proactive issue detection and optimized resource allocation.

### \* Successfully deployed and maintained the platform on AWS, guaranteeing high availability, scalability, and security through best practices such as infrastructure as code and automated deployments.

### Skills

### Programming Languages: Python (TensorFlow, PyTorch, NumPy, Pandas), JavaScript (React, Node.js, Express.js), SQL

### AI/ML: Predictive Modeling, Natural Language Processing (NLP), Recommendation Systems, Image Recognition, Machine Learning Model Deployment (AWS SageMaker, Docker)

### Databases: PostgreSQL, MySQL, MongoDB

### Cloud Computing: AWS (EC2, S3, Lambda, RDS, SageMaker), Azure (Functions, SQL Database), GCP (Cloud Storage, Compute Engine)

### API Integration: REST APIs, GraphQL APIs

### Real-time Data Processing: WebSockets, Kafka, Redis

### Payment Gateways: Stripe, PayPal

### DevOps: Docker, Kubernetes (basic)

### Soft Skills: Teamwork, Leadership, Communication, Problem-solving, Presentation Skills, Adaptability, Time Management

### Awards and Recognition

* EPAM Systems Scholarship

### Extracurricular Activities

* E-Summit Participant – \*(Add specific role and achievements)\*

### Languages

* English (Native)
* \*(Add other languages and proficiency level)\*