

VEDANT BASAVARAJ KINIKAR

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PROFESSIONAL SUMMARY

Computer Science graduate pursuing a Master of Data Science at RMIT University and an MBA (Finance) at NMIMS. Hands-on experience with React, Node.js, REST APIs, databases and ERP development through internships and technical projects. Seeking graduate or junior Software Engineering opportunities to build reliable, user-focused applications.

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, SQL

Software Development: React, Node.js, Django, REST APIs, Git, GitHub, Docker, Linux

Databases & Cloud: MySQL, PostgreSQL, AWS, Google Cloud

Data & AI: TensorFlow, Scikit-learn, OpenCV, YOLO, Machine Learning, Computer Vision

TECHNICAL PORTFOLIO

GitHub: github.com/kinikarvedant | Featured work: Smart Adaptive Traffic Flow, Factory Vision, BOLT 2.0

INTERNSHIP EXPERIENCE

Software/Project Intern | SoulSoft Infotech Pvt. Ltd., Sangamner

Oct 2025 - Jan 2026

- Contributed to web and mobile development tasks using React, Node.js, REST APIs and database tools within the company's technology stack.
- Implemented a module-level internal-dashboard feature, covering requirement analysis, edge-case handling and code integration.
- Assisted with API and cloud-environment enhancements while researching performance-oriented technical approaches.

Software Engineer Intern | AiravataOne Technologies, Palghar

July - Oct 2025

- Supported development of ERP modules for manufacturing clients through module design, coding and debugging under senior-developer guidance.
- Translated complex system requirements into clean, maintainable code and proposed implementation improvements through independent technical research.
- Collaborated with cross-functional teammates to clarify requirements and maintain disciplined delivery workflows.

SELECTED PROJECTS

Smart Adaptive Traffic Flow Optimization Using Deep Reinforcement Learning

Self-initiated project | 4 months | Developer

Technologies: Python, OpenCV, SUMO, TensorBoard, CNNs, Reinforcement Learning

- Developed an agent-based reinforcement-learning model to optimise urban traffic signals in a simulated SUMO environment.
- Processed camera feeds with OpenCV and CNN techniques, then used lane-level signals to improve traffic flow, travel time and vehicle distribution in the test environment.

Factory Vision

Skill-development project | 3 months | Developer

Technologies: Python, TensorFlow, OpenCV, YOLO

- Built a computer-vision pipeline for simulated defect detection, product-quality classification and workflow-stage monitoring.
- Applied TensorFlow, OpenCV and YOLO models for real-time inference, including anomaly detection, worker-safety monitoring and production-line analytics use cases.

BOLT 2.0 - Blockchain-Driven Loan Prediction and Route Optimization Platform

Vellore Institute of Technology | 5 months | Team of 2 | Lead Blockchain and ML Developer

Technologies: Ethereum Smart Contracts, Machine Learning, Python, Dijkstra's Algorithm, Geospatial Data

- Co-designed a decentralised platform combining blockchain-based document verification with ML-powered financial loan prediction.
- Implemented Ethereum smart-contract handling and a logistics route-optimisation module using Dijkstra's algorithm and geospatial data to support transparent financial and supply-chain workflows.

EDUCATION

Master of Data Science | RMIT University

Jul 2026 - Dec 2028

Melbourne, VIC

Master of Business Administration (Finance) | SVKM's Narsee

2026 - 2028

Monjee Institute of Management Studies (NMIMS)

Mumbai, India | Online

Bachelor of Technology - Computer Science (Core) | Vellore

Sep 2021 - Jul 2025

Institute of Technology

Vellore, Tamil Nadu, India | CGPA: 8.28

CERTIFICATIONS & LEADERSHIP

Certifications: AWS Certified Cloud Practitioner | AWS | Feb 2024 | Google Cloud Certified - Cloud Digital Leader | Google | Jan 2024 | CompTIA Security+ (SY0-701) Complete Course & Practice Exam | Udemy | Oct 2025

Leadership: Technical Mentor (Informal Peer Support), VIT Vellore (2024-2025) | Team Coordinator, Academic Project Collaboration Group (2023-2024)