

VAIBHAV M

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PROFILE

MCA 2nd-year student with a strong academic background in computer applications. Skilled in frontend and backend development with a keen interest in software development, problem-solving, and emerging technologies. Eager to apply technical knowledge to real-world projects and contribute effectively to organizational success.

SKILLS

- Programming Languages: Python, Java, C++, MATLAB, C Programming
- Full Stack: React.js, Node.js, Flask, MongoDB
- Simulation Tool: n8n (workflow automation and process simulation)
- Machine Learning: NumPy, Pandas, Scikit-learn, XGBoost, PyTorch, OpenCV, Pillow (PIL), Matplotlib, Seaborn, Flask
- Languages : English, Hindi, Kannada

PROJECTS

• ANONYMOUS COMPLAINT MONITOR

Developed a privacy-first, AI-powered anonymous complaint management system using React.js, Node.js, and MongoDB for secure complaint submission and storage. Implemented BERT-based sentiment analysis, BART-based text summarization, and image authenticity verification through Flask microservices to intelligently analyse, prioritize, and process complaints while preserving user anonymity.

• LIBRARY MANAGEMENT SYSTEM :

Developed and implemented a digital library management system to handle book inventory, user records, and transactions enhancing accessibility and reducing manual effort. Integrated automated workflows and notifications to streamline book issuance, returns, and system updates, improving overall efficiency.

• EV CHARGING AND PARKING MANAGEMENT SYSTEM :

Developed a prototype using ESP-32 microcontroller which integrates Wi-Fi and Bluetooth capabilities to gather data from various sensors such as temperature sensor, soil moisture sensor and humidity sensor facilitated using Adafruit Library to show vital parameters required for sustaining water dependent crops.

• RESUME BUILDER :

Designed and developed a dynamic resume builder application with integrated AI capabilities to generate improved, professional statements. The system allows structured input for education, skills, projects, and experience, and produces clean, customizable resume layouts for enhanced usability and impact.

INTERNSHIPS

• Intern – Let's Pro, Mysore

Contributed to web-based application development and user experience enhancement. Assisted in debugging, documentation, and code reviews to ensure quality and functionality.

• Intern – Thoughtstream Innovations Private Limited

Developed an AI-powered resume builder application during the internship, enabling users to generate professional resumes with enhanced, context-aware statements. Worked on structuring resume sections, integrating AI for content improvement, and designing clean, customizable layouts to improve overall user experience.

EDUCATION

Master of Computer Applications | The National Institute of Engineering

CGPA: 9.0

Bachelor of Computer Applications | Vidyavardhaka College of Engineering

CGPA: 9.4

Intermediate PU (XII State Board) | BGS PU College (State Board)

Percentage: 98

Bharatiya Vidya Bhavan School

Percentage: 96

ACADEMIC ACTIVITIES

• Programming Workshop | Conducted by VVCE

Gained hands-on experience in programming fundamentals, coding best practices, and problem-solving techniques. Enhanced understanding of logic building and software development concepts through practical sessions.

• Robotics Workshop Conducted by VVCE

This workshop provided participants with a comprehensive understanding of robotics through interactive sessions, hands-on demonstrations, and practical exercises. Topics covered included robot design, programming, sensor integration, and real-world applications.