Aryan Khandare

📞 9136291030 ✉️ aryankhandare2005@gmail.com in linkedin.com/aryan-khandare ⬡ github.com/aryankhandare
🌐 aryankhandare.dev

Objective

A passionate Computer Science Engineering graduate with a keen interest in Artificial Intelligence, Software Development, and UI Design.
Eager to apply my skills in AI-driven applications, software development, and real-world problem solving in a dynamic tech environment, while continuing to grow and innovate professionally.

Education

Shri Bhagubhai Mafatlal Polytechnic (SVKM)   Expected May 2025
Diploma in Computer Science Engineering   *Mumbai, Maharashtra*

- **Relevant Coursework:** Data Structures and Algorithms (C++), Probability and Statistics in CS (Python), Computer Networks, Object-Oriented Programming (Java), Database Management Systems (MySQL), Web Development (HTML, CSS, JS), Linear Algebra w/Computational Applications (Python), Software Engineering, App Development (Flutter), Machine Learning (Python, scikit-learn)

Experience

Mazagon Dock Shipbuilders Ltd.   May 2024 – June 2024
Web Development Intern   *Mumbai, Maharashtra*

- Collaborated with internal IT and design teams to develop responsive internal web applications using HTML, CSS, JavaScript, and Bootstrap.
- Worked on backend integration using PHP and MySQL for employee dashboard and data management systems.
- Gained hands-on experience in computer networking concepts and assisted in managing internal company servers.
- Explored and contributed to AR/VR-based ship visualization systems to enhance the internal design and layout understanding for training and simulation.

Projects

Personal AI Assistant | *Python, Flask, Speech Recognition, Text-to-Speech, Gemini API*

- Developed a voice-activated AI assistant capable of answering user queries, performing system tasks, and fetching real-time information using APIs.
- Integrated speech recognition, natural language processing, and text-to-speech to enable seamless human-AI interaction through a conversational interface.

Covid-19 Testing Management System | *PHP, MySQL, HTML, JavaScript, XAMPP*

- Developed a centralized system for managing Covid-19 test registrations, reports, and user data using PHP and MySQL.
- Designed a responsive web interface using HTML and JavaScript, ensuring compatibility across Chrome and Edge browsers via XAMPP server.

Bank Management System – Testing Focus | *PHP, MySQL, Selenium, HTML5, CSS3, JavaScript, Bootstrap*

- Conducted functional and UI testing for dynamic modules built with PHP and MySQL, ensuring secure transaction handling and robust account management.
- Implemented automated browser-based testing using Selenium to validate responsive behavior and cross-device compatibility of the Bootstrap-powered UI.

Real Time QR and Barcode Scanner | *Python, OpenCV, Flask, HTML5, Bootstrap*

- Built a real-time QR and barcode scanner using OpenCV and Python that detects and decodes codes instantly through a web interface.
- Integrated Flask for backend processing and Bootstrap for responsive UI, enabling compatibility across devices for seamless scanning.

Cryptocurrency Price Prediction Platform | *Flask, React (Vite), XGBoost, Python*

- Developed a full-stack web platform using Flask and React to predict cryptocurrency prices based on 5-year historical data.
- Integrated custom-trained XGBoost models for real-time forecasts and visualized trends to support informed trading decisions.

MindVerse – A Mental Wellness Companion App | *Flutter, Firebase, Python, Flask, TensorFlow, OpenCV*
- Developed an AI-driven mobile app to support mental wellness through mood tracking, emotion recognition, voice chat, and gamified therapy modules.
- Integrated Python-based Facial Emotion Recognition and Voice Cloning using Flask API, with secure real-time data handling in Firebase.

Technical Skills

Languages: Python, JavaScript, C++, Dart, PHP, Ruby, SQL
Web Technologies: React.js, Angular, Vue.js, Flask, Node.js, Express.js, Django, Bootstrap, HTML5, CSS3
Mobile Development: Flutter, Dart, Android SDK, Firebase
Machine Learning: TensorFlow, Keras, PyTorch, XGBoost, Scikit-learn, Pandas, NumPy
Database Technologies: MySQL, PostgreSQL, Firebase, MongoDB
Tools: Git, GitHub, GitLab, Docker, Postman, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA, PyCharm
Cloud Platforms: Firebase, AWS, Heroku
UI/UX Design: Figma, Adobe XD, Sketch, Balsamiq
Concepts: Data Structures, Algorithms, Object-Oriented Programming (OOP), RESTful APIs, Cloud Computing, Agile Methodology, Software Development Life Cycle (SDLC), MVC Architecture, CI/CD Pipelines