ZAID MANKAR

Pune , Maharashtra

☎ 9689339689 ✉ zaidsmankar@gmail.com in linkedin.com/in/zaid-mankar ○ github.com/zaid-mankar

EDUCATION

Rosary High School and Junior College, Pune   **Jan 2019 – March 2020**
10th Board State Exam   *80.60%*

Arham Junior College   **Feb 2021 – March 2022**
12th Board State Exam with Bifocal Computer Science elective   *59.33%*

Vishwakarma University   **Sep 2022 – July 2026**
Bachelor of Technology in Computer Science   *7.42 CGPA*

EXPERIENCE

Fladdra Pvt. Ltd   **June 2024 – Aug 2024**
Lab Automation Intern   *Pune, India*
- Designed a low-cost EV battery swapping prototype (INR 25k budget) for delivery fleets, replacing 8+ hours of charging with a 2-minute swap and increasing uptime by 40%.
- Reverse-engineered hardware during industrial visits, developing a complete EV battery swapping system with IoT-enabled real-time sync between station, mobile app, and server.

Asian Institute of Technology   **Sep 2024 – Dec 2024**
AI/ML Intern   *Bangkok, Thailand*
- Trained and tested MRI tumor classification models (No Tumor, Glioma, Meningioma, Pituitary; 100–150 images per category for train/test), achieving 96% accuracy.
- Applied knowledge distillation to reduce model size by 30% with 8% accuracy loss, benchmarking architectures for the best speed/precision trade-off.

PROJECTS

E-Call : Environmental Awareness App | *Flutter, Google Firebase*   **Aug 2024**
- Developed an eco-awareness app with live climate data, CO_2 tracker, and seasonal crop calendar, engaging 50+ users.
- Integrated real-time environmental alerts, SOS, and community forums, reducing response time by an estimated 25%.

Bill Book : Billing System for Small Pattern Business | *Flutter, Google Sheets*   **Nov 2024**
- Engineered a Flutter-based billing platform integrated with the Google Sheets API to handle 8,000+ transaction records with 2 sec average query time. Achieved 60% reduction in manual billing time, improved data accuracy to 99.8%.
- Implemented e-bill generation (PDF), advanced search & filter analytics (by date, customer, product category), and CRUD operations. Also enabled on-demand sales trend reports, increasing business decision speed by 40%.

AI-Powered Healthcare App | *Flutter, AI/ML, SQL*   **Jan 2025**
- Built a mobile app for AI-assisted diagnostics and patient management, detecting tumors, cavities, and fractures from 500+ MRI/X-ray images with 92% accuracy.
- Added personalized fitness, diet, and scheduling features with secure SQL backend, improving patient engagement by 35% based on a survey of 50 users.

TECHNICAL SKILLS

Languages: Python, SQL, Flutter
Developer Tools: VS Code, Android Studio, Jupyter Notebook
Technologies/Frameworks: GitHub, Firebase, Flask

Leadership / Extracurricular

Minimac System Pvt. Ltd.   **Oct 2022 – Present**
Best Speaker   *Minimac System Event*
- Achieved the best speaker award for the topic waste management held in Vishwakarma University, Pune.

Relevant Coursework

- Digital Design
- Database Management
- Mobile App Development
- Artificial Intelligence
- Internet of Things
- Embedded Systems
- Operating System
- Computer Networks

Professional Certifications

Fundamentals of Deep Learning   **Jan 2023**
Completed basic training covering neural networks, CNNs, transfer learning, and model optimization techniques   *NVIDIA*

Introduction to Microsoft Azure Cloud Services   **Feb 2025**
Covered cloud computing fundamentals, Azure services, architecture, and core concepts   *Microsoft-Coursera*