Mandar Rajendra Kelkar

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Education

B.Tech in Computer Engineering (Final Year)   **2023 – Present**
Vishwakarma University, Pune   **CGPA:** 8.33 **Latest SGPA:** 8.95 (Ongoing)
Diploma (Computer Engineering) – 2020–2023   82.57%
Government Polytechnic Malvan
SSC – 2007–2020   88.20%
Jay Ganesh English Medium School

Skill Set

Languages/Tools: C, Java, Python, JavaScript, Dart, Solidity, Git, Swagger, VSCode, Jira
Frameworks/Tech: React, Node.js, Flask, Django, Spring-Boot, Flutter, HTML, CSS, Tailwind, Bootstrap, REST APIs
Databases/Others: MySQL, PostgreSQL, SQLite, MongoDB
Soft Skills: Leadership, Work-ethic, Teamwork, Problem-Solving,
Communication — Languages: English, Marathi, Hindi

Experience

Fidel Softech - Fixsol Intern (Onsite)   Aug 2025 – Present

– Developing a proof-of-concept (POC) for bidirectional conversion between FIX and FIXML, and between FIX and FAST, to enable interoperability between legacy FIX networks and XML/FAST-based trading systems.

EduPlusCampus (UDNAV Software Services Pvt. Ltd.) - Web Development Intern   Jun 2024 – Dec 2024

– Developed a blockchain-based certificate system using Solidity, Express.js, and MongoDB; deployed smart contracts on Sepolia via Truffle.
– Reduced credential fraud by 60% by enabling secure, real-time academic verification on a decentralized network.

SkillVertex – Data Science Intern (Remote)   Jul 2023 – Aug 2023

– Completed a 5-week intensive Data Science internship involving data analysis and data visualization.
– Gained hands-on experience with Python, pandas, matplotlib, and on real-world datasets.

Projects

- **TelemedeX** — LINK
  Technologies: React.js, Tailwind CSS, Node.js, Express, MongoDB, Google Fit API, Razorpay API, Gemini API, Flask, GitHub

  – Developed AI-powered telemedicine app with Google Fit integration and priority-based scheduling.
  – Integrated Razorpay for secure payments and automated treatment recommendations via Gemini API.

- **Precimac Daily Reporting App**
  Technologies: Flutter, Node.js, Express, MongoDB, React.js, ExcelJs, GoogleAPI, render, vercel, GitHub

  – Built a daily reporting mobile app with secure login, report upload, and device-based user locking using Flutter.
  – Developed admin dashboard in React.js for report tracking, approvals, and role-based access; backend built in Node.js with MongoDB.

- **DataHive – LC Generation and Management System** — LINK
  Technologies: Python, Flask, HTML5, SCSS, PyPDF, SQLite, PostgreSQL, Render, GitHub

  – Automated LC generation using academic data; reduced admin workload by 70%.
  – Enabled role-based access and activity logging for secure and trackable certificate issuance.

Publications

- **Hierarchical Clustering in Financial Analysis** — LINK   Nov 2024
  Explored how Ward's Method and other clustering algorithms can segment companies by financial metrics to inform investment decisions and portfolio diversification. Combined data mining and machine learning to analyze emerging markets, optimize risk assessment, and bolster strategic business analytics.

Awards

- **NSD Hackathon 2025 (Winner)** – 1st in Web Dev (pet adoption site) and 2nd in ML (KNN-based traffic anomaly detection, 80% accuracy); Tech: React, Flask, Scikit-learn.
- **Visionary Techfeast 2023 (Winner)** – 1st in Cybersecurity for building a multi-factor auth system with OTP (Twilio) and email verification using Flask.
- **REX 2023 (Winner)** – 1st place for automating leaving certificate generation using Flask, SQLite, PostgreSQL, and Vue.js at MITM National Expo.

Relevant Coursework

- **Coursera – Blockchain Specialization:** Blockchain fundamentals, ledger architecture, smart contracts (3 courses).
- **Coursera – Network Security:** Cryptography, threat mitigation, secure design (4 courses).
- **IBM Coursera – Cybersecurity:** Risk management, policies, and network security basics (4 courses).
- **Udemy – Web Dev Bootcamp:** MERN stack, APIs, and deployment (60 hours).
- **Udemy – Python 3 Bootcamp:** Python core, OOP, and web scraping (30 hours).