

Vikash Rathod

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EDUCATION

Savitribai Phule Pune University

Master of Computer Applications (MCA)

Pune

Sept. 2024 – Present

Goa University

Bachelor of Science in Computer Science

Goa

Sept. 2021 – May 2024

EXPERIENCE

Ocatalogic Tech

Full Stack Developer

Aug 2024 – Feb 2025

Panjim, Goa

- Collaborated on the development of web applications for various clients including [The Sec Master](#), [Flame Lugano](#), and [New English Teaching](#).
- Implemented new features and resolved bugs to enhance user experience and functionality, working with a tech stack of React Js, Next Js Node.js, and PostgreSQL.
- Contributed to the [Yoska](#) mobile application using Flutter, adding new features and resolving complex bugs to improve app stability.

Unirise Research Foundation

Software Developer Intern

May 2024 – Aug 2024

Colva, Goa

- Developed a chatbot that reads and interprets PDF documents, providing answers based on extracted data.
- Used Python, React, and Django for full-stack development, Pinecone DB for vector data management, and MongoDB as the main database.

PROJECTS

[ParkEasy - Parking Management System](#) | *React.js, Node.js, Express.js, MongoDB, JWT, Twilio API*

- Developed full-stack parking management system with ticket creation, SMS OTP verification, and real-time fee calculation
- Implemented JWT authentication for secure access and Twilio API for SMS notifications
- Designed RESTful APIs for seamless frontend-backend communication and payment processing

[Enhanced Caesar Cipher Implementation](#) | *Python*

- Developed a Caesar cipher with key-based mapping, allowing for user-defined shift amounts and directions, significantly enhancing encryption complexity.
- Implemented a flexible key-value mapping system, enabling unique encryption patterns resistant to traditional cipher-breaking methods.

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C, SQL (Postgres)

Web Development: React, Node.js, Django, Express, Next.js, NestJS, Material UI

Mobile Development: Flutter

Tools & Platforms: Git, Docker, Postman, Jenkins, Slack

Databases: PostgreSQL, MongoDB, Pinecone

CERTIFICATIONS

GitHub Foundations – [Certificate](#)

SQL – [Certificate](#)

Python – [Certificate](#)

Frontend Developer – [Certificate](#)

Problem Solving – [Certificate](#)