

Omprakash Rana

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Education

University of East London, East London, UK

M.S. in Computer Science (Specialization: Cloud Computing)

Sept 2025 – Ongoing

CMR Institute of Technology (CMRIT)

B.E. in Computer Engineering — GPA: 8.25/10

Oct 2020 – May 2024

Skills

Languages: Python, C++, C, SQL, JavaScript

Web Technologies: Django, Django REST Framework, HTML, CSS, JavaScript, React, Bootstrap

Cloud & Tools: AWS, Git, GitHub, Postman, VS Code

Databases: PostgreSQL, MySQL, SQLite

Professional Experience

MotionCut Studio, Frontend Web Development Intern

Sept 2023 – Nov 2023

- Developed responsive web interfaces using HTML, CSS, and JavaScript.
- Optimized layouts across desktop and mobile devices.
- Collaborated on frontend improvements to enhance usability and responsiveness.

Academic Projects

Smart ATS – AI-Powered Applicant Tracking System

- Developed an ATS platform using Python and PostgreSQL to evaluate resumes against job descriptions.
- Implemented AI-powered keyword extraction and resume scoring using OpenAI APIs.
- Generated tailored resume improvement recommendations based on ATS matching scores. GitHub: github.com/Omprakash7171/Smart_ATS

Authentication Service – Secure REST Authentication API

- Built a secure authentication service with user registration, login, and role-based permissions.
- Implemented JWT token authentication, password reset, and email verification workflows using Django custom user models. GitHub: github.com/Omprakash7171/Authentication-Service

Currency Converter (Best Mini Project Award)

- Developed a real-time currency converter using Python and Tkinter, integrating live exchange-rate APIs with an interactive graphical interface.

Certifications and Achievements

- AWS Academy Graduate – Cloud Foundations
- Solved 250+ Data Structures and Algorithms problems across LeetCode and coding platforms.
- Participated in Shristi 2022 Hackathon organized by BMSCE.
- Built multiple AI-powered applications using OpenAI APIs.