

Nikhil Raj

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SKILLS SUMMARY

- **Languages:** Python(Good), JavaScript(Intermediate), C, C++, R
- **Frameworks:** Django, FastAPI, React, Express.js, Node.js, TailwindCSS
- **Tools:** GitHub, AWS, MongoDB, SQL, SQLite, MySQL, Firebase
- **Soft Skills:** Technical Writing, Problem Solving, Leadership, Team Work

EDUCATION

- **Heritage Institute of Technology, Kolkata, India (2021 - 2025)**
 - *Bachelor of Technology - Computer Science and Engineering (with AI and ML) YGPA: 7.6*

EXPERIENCE

- **Backend Developer Intern at Edilitics**
 - (July 2023 - Present)
 - Built and integrated in-app, Slack, and email notification services for the platform using **Python** and **FastAPI**.
 - Implemented an end-to-end OTP verification system for user authorization using **MongoDB** as a database.
- **Backend SDE Intern at Tasklabs**
 - (April 2023 - July 2023) [Link](#)
 - Worked on web-assembly-based concepts and technologies to build file-processing tools.
 - Built 10+ **Python** utility tools for document and image processing.
 - Integrated these tools into the website using required libraries implemented in **Next.js** and **Typescript**.
- **Technical Writer at Scaler Topics**
 - (June 2022 - June 2023) [Link](#)
 - Wrote **10+** articles on **Django**, **Django REST Framework** and **Artificial Intelligence** combined.
 - Published [articles](#) have explanations with sample code snippets and all are technically and SEO-reviewed.

PROJECTS

- **Fund Raiser** | [GitHub](#)
 - **Tech Stack:** Django, Python, JavaScript
 - An online fundraising web application built using **Django** with admin dashboard, and **Email verification**.
 - Features like generating QR codes for UPI payments, and **Razorpay payment system** are integrated.
- **Jobs API** | [GitHub](#) | [Docs](#)
 - **Tech Stack:** JavaScript, Node.js, Express.js, MongoDB
 - An API to perform complete back-end implementations of a job hiring platform. Providing different endpoints to perform different tasks with proper database referencing.
 - Used **MongoDB** as a database service. Integrated **JWT** for authentication, **AWS S3** as a file storage service, and **Send-Grid** for mailing services.
- **Smart Naka** | [Link](#) | Group Project
 - **Tech Stack:** Python, FastAPI, AWS SNS
 - A smart and automated system to detect cars at checkpoints, and notify whether the car is stolen or not.
 - Trained a **YOLOv5** number plate Detection Model trained on the custom dataset, build and tunneled a **FastAPI** server using **Ngrok** to process data from [AWS SNS](#) service and update the local database.

COURSES AND CERTIFICATIONS

- Udemy **Python Developer** certification course ([Link](#))
- **Supervised Machine Learning: Regression** certification. ([Link](#))
- **Neural Networks and Deep Learning** by Deeplearning.ai ([Link](#))

ACHIEVEMENTS

- **Winner at Ethos'23**, a national level Hackathon organised by IIT Guwahati. ([Link](#))
- **Top contributor** at GSSoC'22. Ranked 85 among 800+ contributors. ([Link](#))
- Certified **Postman Student Expert** ([Link](#))

POSITIONS OF RESPONSIBILITY

- Project admin at **GSSoC'23** and mentor at **JWoC'23**. ([Link](#))
- Core team member at **Clueless Community**, a student-driven community built to promote open-source. ([Link](#))