

# Nikhil Damahe

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## Introduction

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I am a Pre-Final-year Electronics and Communication Engineering student, graduating in 2027, with a strong foundation in computer science and full-stack development. I'm passionate about building real-world software solutions, learning emerging technologies, and working in collaborative team environments. I aim to grow as a developer by contributing to meaningful projects and continuously sharpening my technical and problem-solving skills.

## Education

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Shri Ramdeobaba College of Engineering and Management  
Bachelors in Electronics & Communication

CGPA: 9.71  
Sep 2023 - Jun 2027

## Projects

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### BYOD - Zero Trust Secure Workspace

- Designed a Zero Trust-based BYOD security platform that gives employees an encrypted, isolated workspace while keeping their personal device privacy intact.
- Implemented device compliance checking, secure virtual drive allocation, role-based access control, activity monitoring restricted to the secure drive.
- Tech Stack: Python, Scikit-learn, Flask, React, AES-GCM Encryption, ML-based Anomaly Detection

### Blockchain-Based Flight Insurance & Claims Automation Platform

- Designed a decentralized insurance platform for the automation of policy management, the verification of claims, and the execution of payouts using smart contracts on blockchains.
- Decentralized storage integrated on Filecoin for Policy documents and claim-related records for transparency.
- Tech Stack: Solidity, Remix IDE, Filecoin, Smart Contracts, IPFS, Blockchain

### Fake Social Media Account Detection System

- Completed a project where we developed ML tools to aid the detection of fraud and deception in social media platform usage as part of a social-engineering attack.
- Created a user-friendly interface using the streamlit library in Python that enabled users to either view "real-time" predictions for a single account or to analyse the output of a large CSV file containing many accounts and an explanation for the predictions made.

## Skills

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- **Programming Languages:** C, Java, JavaScript, Python
- **Frameworks:** React.js, Express.js, Node.js, Pandas, NumPy
- **Tools / Platforms:** GitHub, Docker
- **Databases:** SQL, MongoDB
- **Core Subject:** DSA, OOPS, CN, OS

## Certifications

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- Python for Data Science, AI & Development(IBM)
- Introduction to Information Technology and AWS Cloud - [Coursera](#)

## Achievements

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- Winner Of HackOn - A national level Hackathon at GCOEN, Nagpur
- Made it to the top 20 finalists at CyberHack'24 at IIM Nagpur
- 6th Rank at Hackronyx - an International Hackathon organized by Palloti College
- Earned a 5 star badge at Hackerrank