








# Reeshabh Kumar Ranjan

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## EDUCATION

- Indraprastha Institute of Information Technology Delhi** Delhi, India  
*Bachelors in Computer Science Engineering, CGPA: 9.01/10* 2017 - 2021  
*Courses:* Software Development using Open Source, Native Android App Development in Java, Security Engineering, Foundations of Computer Security, Operating Systems, Computer Networks, Databases




## EXPERIENCE

- nsave (YC 2022 | Sequoia Capital | FinTech | London)**  Remote  
*Founding Backend Engineer* Mar '23 - Mar '24 (1 yr)  
**Techstack:** NestJS, Apache Kafka, Docker, AWS and PostgreSQL
  - Revamped the onboarding flow by streamlining which microservice has the responsibility to update the user's stage. Used a state machine representation of the user's onboarding flow to simplify the logic.
  - Streamlined user's case management, specially for high risk users during onboarding.
  - Set up the unit testing framework for codebases of two microservices. Wrote thorough unit tests for the entire onboarding flow.
  - Set up Postman collections for the onboarding APIs. Set up auto-authentication and refresh mechanism using pre-request scripts and tests.
  - Daily tasks include adding new features, fixing bugs and making design decisions.
- MathWorks**  Remote  
*Software Engineer* Jul '21 - Mar '23 (1 yr 8 mos)  
**Techstack:** Python, Docker, Ansible, Hashicorp Vault, Javascript, MongoDB, C, GitLab Ops and OpenStack
  - Migrated internal applications from HTTP to HTTPS.
  - Set up Hashicorp Vault using Terraform for secrets management for apps to be deployed on AWS.
  - Developed an internal tool in Python to configure the internal cloud hosted using OpenStack.
  - Developed an Express.js + MongoDB backend for an internal dashboard application.
  - Did an exploratory and hands-on study on writing a C driver for a temperature sensor for Raspberry Pi.
- OffTrade**  Delhi, India  
*Backend Engineer* Jan '20 - Jun '21 (1.5 yr)  
**Techstack:** Django, AWS, Hashicorp Vault and Redis
  - Wrote the entire backend using Django.
  - Set up CI/CD to test and deploy on AWS.
  - Integrated with the following third-party APIs: PayU (payments backend), Firebase (notifications backend), Hashicorp Vault (app secrets backend), Google Sign In and Datadog (site monitoring backend).
  - Configured DNS and DDoS protection using Cloudflare.

## SKILLS SUMMARY

- Languages:** Python, Typescript, Javascript, C++, Java, C
- Developer Tools:** Docker, Docker Compose, Ansible, Terraform, AWS, Hashicorp Vault, OpenStack, Doppler
- Frameworks:** Django, NestJS, FastAPI
- Databases:** PostgreSQL, Redis, MongoDB, SQLite, MySQL, RDS, DynamoDB
- Soft Skills:** Teamwork, Time Management, Leadership, Ownership

## PROJECTS

- Research Mentoring Platform - Open Source online mentorship webapp**   
Worked for two semesters to write the **backend** of a mentorship platform. Later hired, delegated work and **mentored 6 interns** over a span of 1.5 years. The final product was handed over to **ACM India** (the Indian branch of the Association for Computing Machinery, focused on advancing computing) . Techstack: Django, Django Rest Framework
- Academic Portal for IIIT-Delhi, India:** Worked for a summer to develop the Self Growth and Community Work registration/logging website **backend**, actively being used by around **3000 students** and the academic department of IIIT-Delhi daily. Techstack: Django, Django Rest Framework
- OSRTC Bus Ticket Management:**  
Worked for two months on the **backend** development of a bus ticketing system used by **the state government of Odisha, India**. Techstack: Django, Django Rest Framework
- Social Media App**   
Worked for two months on the **backend** development of a social media platform which **later went to market**. Techstack: Django, Django Rest Framework
- Proptech Firm Management:**  
Worked for two months on the **backend** development for proptech firms. The project had a lot of API integration to be done with various proptech partners. Techstack: Django, Django Rest Framework
- Insurance Marketplace:**  
Worked for two months on the **backend** development of an insurance marketplace, did API integration with over ten insurance partners. Techstack: Django, Django Rest Framework