Rishabh Ranjan

Github Linkedin

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EDUCATION

- **Indian Institute of Technology** — Delhi, India
  B.Tech in Electrical Engineering; 9.1/10 — *July 2017 - May 2021*

- **Sadar Alam Memorial Secondary School** — Bihar Sharif, India
  Central Board of Secondary Education, Intermediate; 92.6% — *May 2015 - April 2017*

- **Sainik School Purulia** — Purulia, India
  Central Board of Secondary Education, Matriculation; 10 CGPA — *July 2010 - April 2015*

WORK EXPERIENCE

- **Dhani Loans and Services Ltd.** — Remote
  Software Engineer — Backend — *July 2021 - Present*
  - Created **Inventory Management System** from scratch to be used by in-house OMS for marketplace model
  - Worked on integration of **marketplace** model in Dhani Store. Handled onboarding of suppliers, product catalogues and admin flows of approving/rejecting suppliers and their uploaded catalogues.
  - Developed **Dhani Cash** - a reward program for Dhani Plus users for giving cashbacks and referral amount, which can be used in placing orders along with other payment methods.
  - Developed the feature to raise a return request for an order from the app. Implemented APIs for admin to support accepting/rejecting requests, initiate refunds and creating the return order on delivery partners after approval.
  - Improved the session timeout logic on Dhani Store to support **infinte session** till the time user uses Dhani Store in Dhani app along with supporting the old timeout logic for older app versions.
  - Implemented pushing of **Clevertap** events in order to send communications to users based on user's actions.
  - Involved in implementation of many other small feature request of product team. Helped production support team in debugging production bugs and resolving them.
  - Tech stack used: Python, Flask, FastAPI, MySQL, PostgreSQL, Redis, Celery, Elasticsearch

- **Nirvana Insurance** — Remote
  Software Engineer Intern — Backend — *May 2021 - July 2021*
  - Worked on Nirvana's core data platform which uses **telematics** data to compute a safety score for a fleet.
  - Integrated APIs from telematics service providers like Samsara, KeepTruckin to get the GPS, driving and camera data which is then feeded to Milliman's AccuRate model to fetch a safety score and decide insurance premiums.

- **Arimon Digilytics Pvt. Ltd.** — Remote
  Data Science Intern — *June 2020 - July 2020*
  - Contributed to an internal framework for extracting information from document images like invoices, passports etc
  - Used Microsoft Azure Form Recognizer to fne-tune a pre-trained LayoutLM model for information extraction task

PROJECTS AND SKILLS

- **Web Programming Projects:**
  Developed a book review website, instant chat application and a food ordering website. All the three websites were deployed on Heroku. *Github Links:* Book Review Website Instant Chat Application Food Ordering Website

- **Covid-19 Diagnosis using CT scans:**
  Used a multi-scale ResNet50 model to separate the cases of COVID-19, pneumonia from normal patients using chest CT scans. The work was presented at IEEE ICASSP 2021 conference at Toronto, Canada. Conference Paper

- **Mobile Phone Tracking System:**
  Implemented a k-ary tree data structure in Java to solve a simplifed version of the mobile phone tracking problem Github

- **Technical Skills:** Python, FastAPI, Flask, MySQL, Redis, Celery, ElasticSearch, SQLAlchemy, Git, C/C++, Java

SCHOLASTIC ACHIEVEMENTS

- **JEE 2017:** Mains AIR: 404, Advanced AIR: 1385
- **KVPY 2016:** Awarded fellowship by IISc, Bangalore after getting an AIR of 324
- **Super 30:** Selected for Super 30 programme which provides free coaching facilities for JEE preparation
- **Academic Mentor:** Provided guidance and academic help to frst year students at IITD for the course CML100