Pranav Parag Pathare

pranavpathare1111@gmail.com | +91 8830499457   Linkedin | Portfolio | LeetCode | Github | Codechef

EDUCATION

Symbiosis Institute of Technology   *June 2018 - July 2022*
Bachelor of Technology, Computer Science
Courses: Distributed Systems, DBMS, Operating Systems, Data Structures and Algorithms, Object-Oriented Design

SKILLS

Programming Languages: Python, Java, Javascript
Databases: SQL, MySQL, PostgreSQL, MongoDB, ElasticSearch
Frameworks: Django, Flask, FastAPI, RESTful API, Git
Machine Learning Tools: Keras, Tensorflow, Pandas, spaCy, OpenCV, NumPy
Cloud Technologies: Amazon Web Services (AWS S3, AWS EC2, AWS RDS, AWS Textract)

ACHIEVEMENTS

- **Winner** of **Zeta** Hacks 3.0 out of **6000** Teams.   *Aug 2021*
- **Qualified for ICPC Kanpur Regionals** 2021: **Rank 85** in regional round among **450** teams.   *Aug 2021*
- **Global Rank 90** in **Amazon** Machine Learning hackathon among **1200** teams**.**   *Aug 2021*
- **Second position** in Bajaj Hackrx2.0 hackathon among **900** *teams.*   *Aug 2021*
- **Second runner up** in **MLH** International Hackon2.0 hackathon among **6000+** *teams.*   *June 2021*
- **First position** in **DRDO** Dare2Dream hackathon with Frshr Tech among **1000+** startups.   *June 2021*
- **Global Rank 356** in **Google Kickstart** Round C among **13,000** *participants.*   *May 2021*
- **Top 10 Finalist** in **Atlassian** app development hackathon among **600+** *teams.*   *April 2021*
- **Top 5 Finalist** in **Smart India Hackathon** FIS Global (NLP).   *Nov 2020*

EXPERIENCE

Software Developer Intern   *July 2020 – Nov 2020*
Frshr Technologies, Bangalore | Python, Flask, ElasticSearch, Tensorflow, AWS EC2

- Implemented transfer learning-based **neural network** for quick detection of retinal disorders in rural camps.
- Achieved **76% Sensitivity Score**, using aggregated datasets of Size **35+ GB.**
- Deployed **Flask** REST APIs for fetching model predictions on Linux **EC2** instance.
- Developed **86% accurate** semantic search **REST API** using **TensorFlow** BERT embeddings and **ElasticSearch.**

Software Developer Intern   *May 2020 – July 2020*
Helto Technologies, Hyderabad | Python, MongoDB, Pandas, Sklearn, Simpy

- Implemented **93% accurate regression techniques** to predict ML model scores without explicit training.
- Applied statistical and matrix transforms to derive features for regression models.
- Executed simulation algorithms to visualize best fit hyperplanes using SimPy library.

PROJECTS

Speech Sentiment Analyzer (Link) **|** Python, FastAPI, Javascript, Tensorflow, AWS EC2   *July 2021*
- Built a language-independent speech audio sentiment classifier with **78% accuracy**.
- Designed real-time WebSocket-based audio stream for fetching sentiment predictions.
- Developed **REST APIs** for sentiment analysis of wav audio files.

Financial Document Analysis Package | Python, spaCy, Flask, Pandas, MongoDB, NLP   *Jan 2021*
- Programmed custom **spaCy NER** model for extracting key numerical insights from financial documents.
- Trained lightweight **CNN** for classifying documents into dividends, stock splits, debts achieving **92% accuracy**.
- Developed **Pandas** data pipeline for processing raw documents and storing extracted data using **MongoDB**.

Healthnomics (Link) **|** Python, Flask, MySQL, AWS EC2, Javascript   *Jan 2021*
- Built **Flask REST APIs** for Health App to book clinic appointments and online video consultations.
- Increased efficiency of **MySQL** relational database by 30% by query optimization and indexing techniques.